PROJECT	DESIGNATION
PB-14-0012	
CONTRACT	BRIDGE FILE
	HAMILTON CO. BR. #35

STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
HAMILTON CO. BRIDGE #35	CONT. COMPOSITE PRESTRESSED CONC. SPREAD BOX BEAM	3 SPANS @ 40'-0", 51'-2" & 40'-0" SKEW; 10° LT.	WILLIAMS CREEK	118+04.50

HAMILTON COUNTY HIGHWAY DEPARTMENT

BRIDGE REHABILITATION PLANS

HAMILTON COUNTY BRIDGE #35
W. 106th STREET OVER WILLIAMS CREEK
CLAY TOWNSHIP, HAMILTON COUNTY, INDIANA
PB-14-0012

BRIDGE REHABILITATION LOCATED ON W. 106th ST. APPROXIMATELY 0.14 MILES WEST OF SPRINGMILL RD., IN SECTIONS 3 & 10, T17N, R3E, CLAY TOWNSHIP, HAMILTON COUNTY, INDIANA.



APPROVED BY:
HAMILTON COUNTY BOARD OF COMMISSIONERS

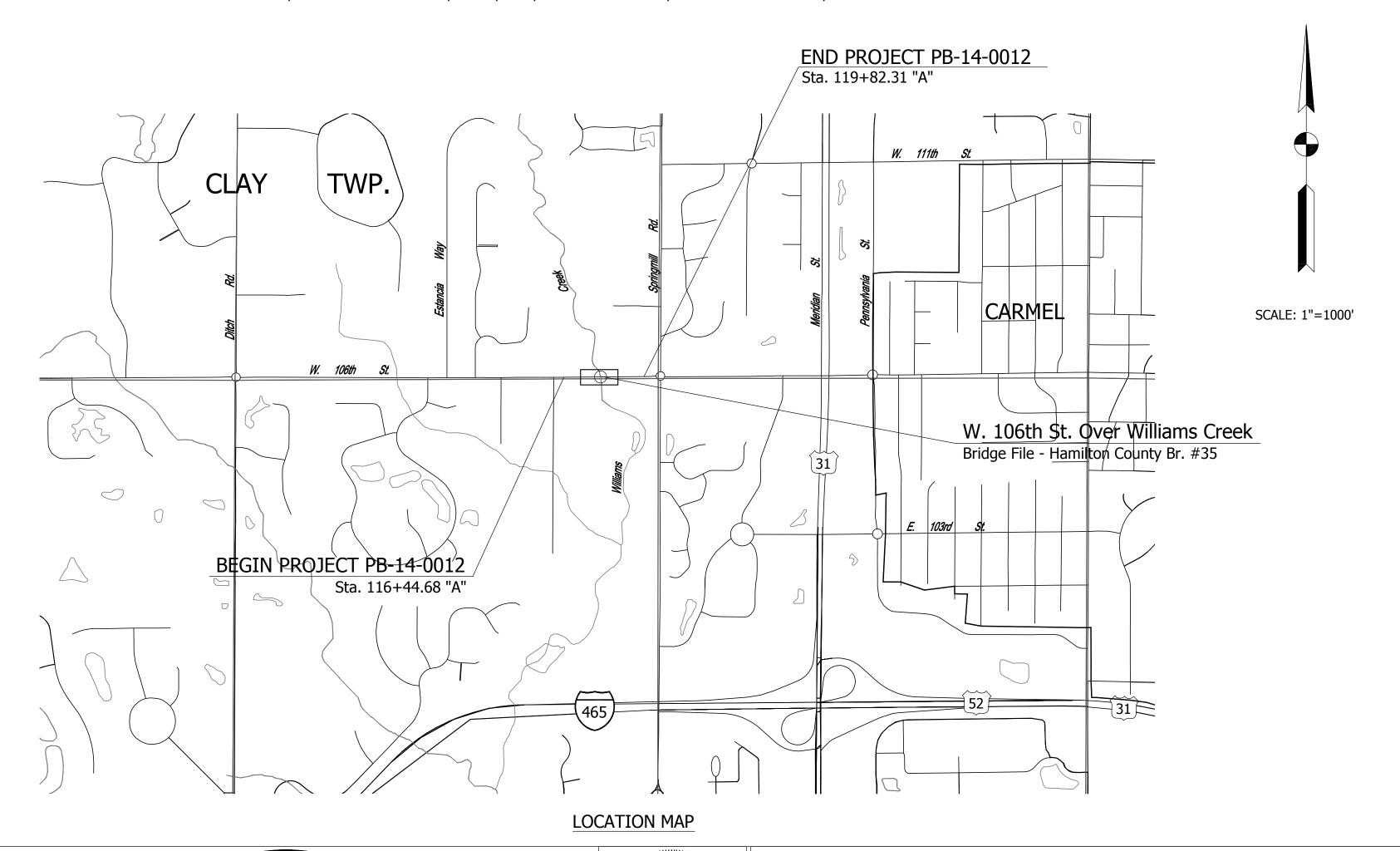
Steven Collinger President

Christine Altman Member

Mark Heirbrand Member

Dawn Coverdale Auditor

Auditor



 TRAFFIC DATA

 A.A.D.T.
 (2015)
 10,102 V.P.D.

 A.A.D.T.
 (2035)
 18,680 V.P.D.

 D.H.V
 (2035)
 1,870 V.P.H.

 DIRECTIONAL DISTRIBUTION
 50 %

 TRUCKS
 4% A.A.D.T.

 4% D.H.V.
 4% D.H.V.

 DESIGN DATA

 DESIGN SPEED
 40 M.P.H.

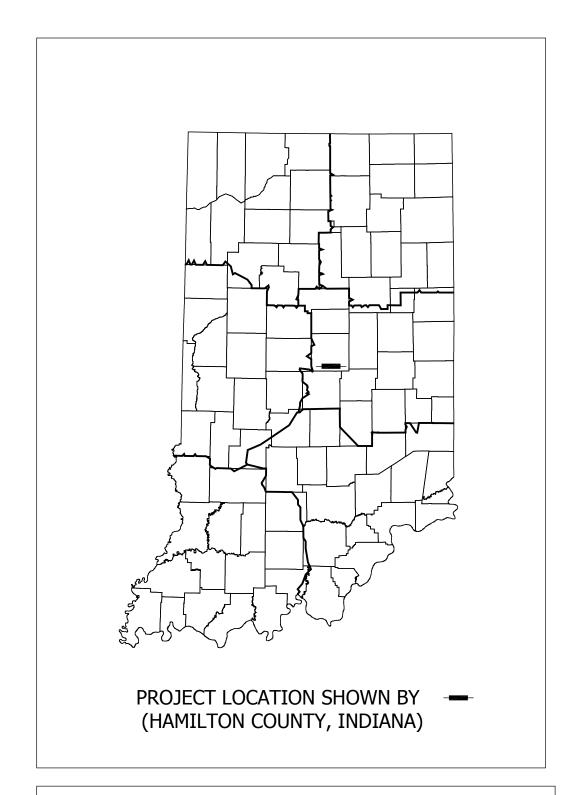
 PROJECT DESIGN CRITERIA
 3R (Non-Freeway)

 FUNCTIONAL CLASSIFICATION
 Major Collector

 RURAL/URBAN
 Urban (Intermediate)

 TERRAIN
 Level

 ACCESS CONTROL
 None



LATITUDE:	39°56'30" N	LONGITUDE:	86°10'03" W
-----------	-------------	------------	-------------

MAX. GRADE: %	BRIDGE LENGTH:	0.03	MI.
	ROADWAY LENGTH:	0.03	MI.
	TOTAL LENGTH:	0.06	MI.
	MAX. GRADE:	-5.65	%

INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2016 TO BE USED WITH THESE PLANS

GENERAL NOTES

1) Notify the Hamilton County Surveyor's Office at 317-776-8495 a minimum of 30 days prior to construction per Indiana Code. The placement of a benchmark by the Contractor will be required as a part of this project. See Section Corner Monument and Benchmark Placement Special Provision for additinal information.





PLANS	(812) 479-6200
PREPARED BY: LOCHMUELLER GROUP	PHONE NUMBER
CERTIFIED BY: Cheryl R. Folz	03/02/2016 DATE

BRIDGE FILE
HAMILTON CO. BR. #35
DESIGNATION

SHEETS		
1	of	34
PROJECT		
PB-14-0012		
	1 PF	1 of PROJEC

UTILITIES

ELECTRIC

Indianapolis Power & Light Company 1230 W. Morris St. Indianapolis, Indiana 46221 (317) 261-8694 Contact: Jim Duvall jim.duvall@aes.com CABLE T.V.

Brighthouse
3030 Roosevelt Ave.
Indianapolis, IN 46218
(317) 339-9075

Contact: Joe Burton

Citizens Energy Group
2150 Dr. Martin Luther King Jr. St.
Indianapolis, IN 46202
(317) 927-4434
Contact: Scott Ritter
sritter@citizensenergygroup.com

<u>SEWER</u>

MISCELLANEOUS

Carmel Utilities 3450 W 131st St. Carmel, Indiana 46074 (317) 733-1480 Contact: Jeff Peters jpeters@carmel.in.gov

Clay Township Regional Waste District 10701 N. College Ave., Ste A Carmel, Indiana 46280 (317) 844-9200 Contact: Ryan Hartman Ryan.Hartman@CTRWD.org COMMUNICATIONS/TELEPHONE

joe.burton@mybrighthouse.com

AT&T - Distribution 5858 N. College Ave. Indianapolis, Indiana 46220 (317) 252-5143 Contact: Jacob Greenwald JG0936@att.com <u>GAS</u>

WATER

Vectren 1600 Allisonville Rd. Nobelsville, IN 46061 (317) 776-5534 Contact: Brian Harger bharger@vectren.com



		REVISIONS
SHEET NO.	DATE	REVISED

INDEX		
SHEET NO.	DRAWINGS INDEX	
1	TITLE	
2	INDEX	
3	TYPICAL ROAD CROSS SECTION	
4	GEOMETRICS & BENCHMARK INFORMATION	
5	MAINTENANCE OF TRAFFIC	
6	PLAN AND PROFILE	
7	EROSION/SEDIMENT CONTROL PLANS	
8	PROPOSED PAVEMENT MARKINGS/SIGN DETAILS & TABLES	
9-10	SOIL BORINGS	
11	LAYOUT	
12	GENERAL PLAN	
13	FOUNDATION LAYOUT	
14-17	END BENT #1 & #4 CONSTRUCTION & DETAILS	
18-20	INTERIOR BENT #2 & #3 CONSTRUCTION & DETAILS	
21	FRAMING PLAN	
22-23	BEAM DETAILS	
24-27	SUPERSTRUCTURE DETAILS	
28	BARRIER RAIL DETAILS	
29	SCREEDS	
30	R.C. BRIDGE APPROACH	
31	BRIDGE SUMMARY OF QUANTITIES	
32	MISCELLANEOUS ROAD QUANTITIES	
33-34	CROSS SECTIONS	

NOTE

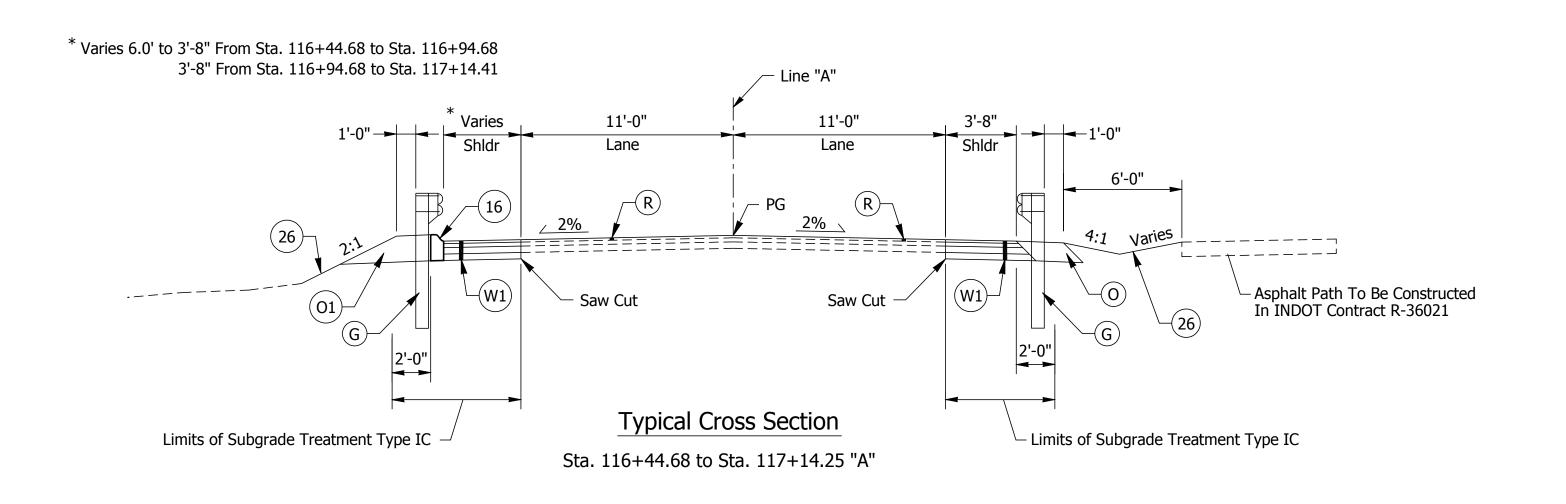
Project PB-14-0012 will be constructed concurrently and will require coordination with INDOT Contract No. R-36021. The City of Carmel or INDOT may be contacted to receive additional information on INDOT Contract No. R-36021.

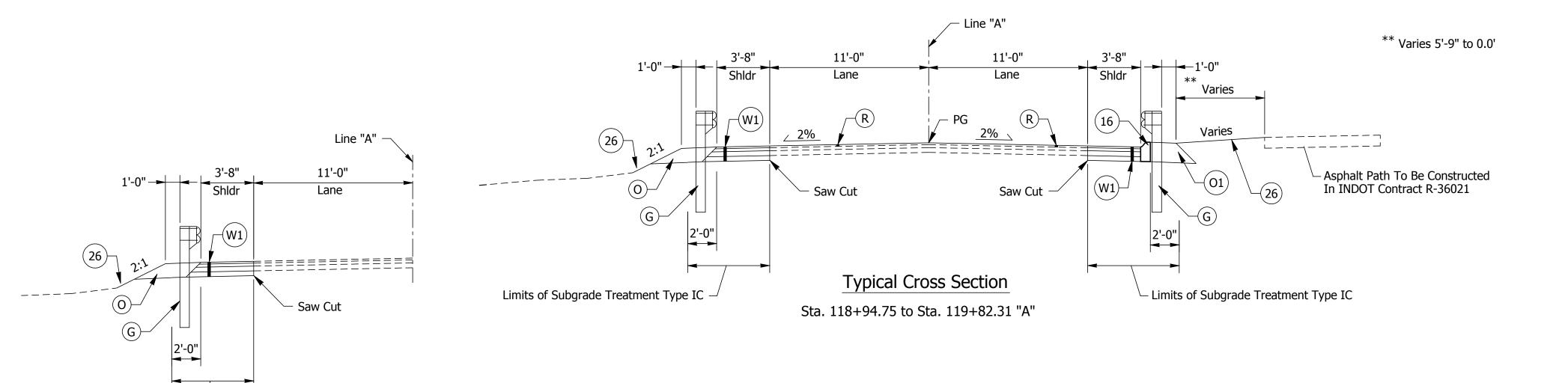
William W	A. RICH	
PROFILITION	No. PE11500695 STATE OF NONAL ENGINEERING	THINE ER

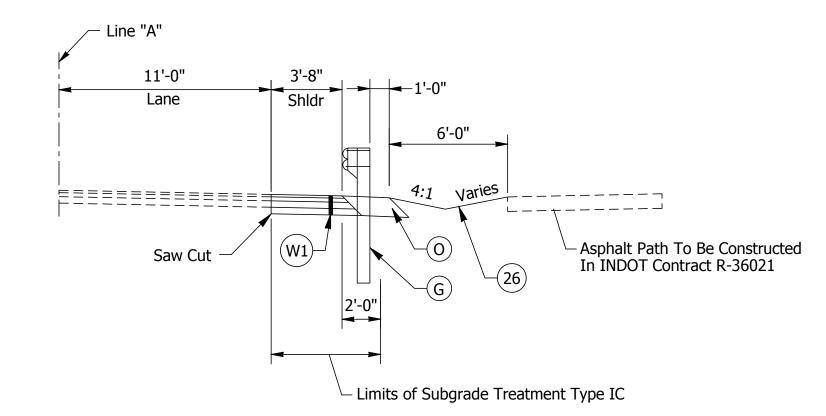
RECOMMENDED FOR APPROVAL	Mark a.	<i>Righle</i> DESIGN ENGINEER	03/02/2016 DATE	
DESIGNED:	MAR	DRAWN:	TAM	
CHECKED:	CRF	CHECKED:	MAR	

	HORIZONTAL SCALE	BF	RIDGE FIL	.E
HAMILTON COUNTY	NONE	HAMILT	ON CO. I	BR. #35
HIGHWAY DEPARTMENT	VERTICAL SCALE	DESIGNATION		ON
	NONE			
	SURVEY BOOK		SHEETS	
INDEX SHEET		2	of	34
INDEX SHEET	CONTRACT	PROJECT		
		PI	3-14-001	2

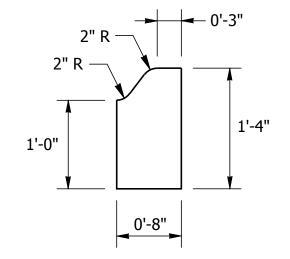
Date: Mar 31, 2016, 8:32am User Name: vaugh







Auxiliary Widening Section Right
Sta. 115+93.75 to Sta. 116+44.68 "A"



Concrete Curb Type B Modified

Scale: 1:1

<u>LEGEND</u>

- G W-Beam Guardrail
- R HMA Wedge & Level, Type B on Milling Asphalt, 1.5"
- W1 Widening With HMA, Type B

 165 #/SYS, HMA Surface, Type B, on
 275 #/SYS, HMA Intermediate, Type B, on
 440 #/SYS, HMA Base, Type B, on
 4" Compacted Aggregate, No.53, Base on
 Subgrade Treatment, Type IC
- O 12" Compacted Aggregate, No.53
- O1) 16" Compacted Aggregate, No.53
- (16) Concrete Curb Type B Modified
- 26) Mulched Seeding, U & Erosion Control Blanket

NOTE: Asphalt for Tack Coat, Liquid Asphalt Sealant, and Joint Adhesive shall be applied per Section 400 of the Standard Specifications.

CHOLAS A.
PE10708224 STATE OF
SONAL ENGINE

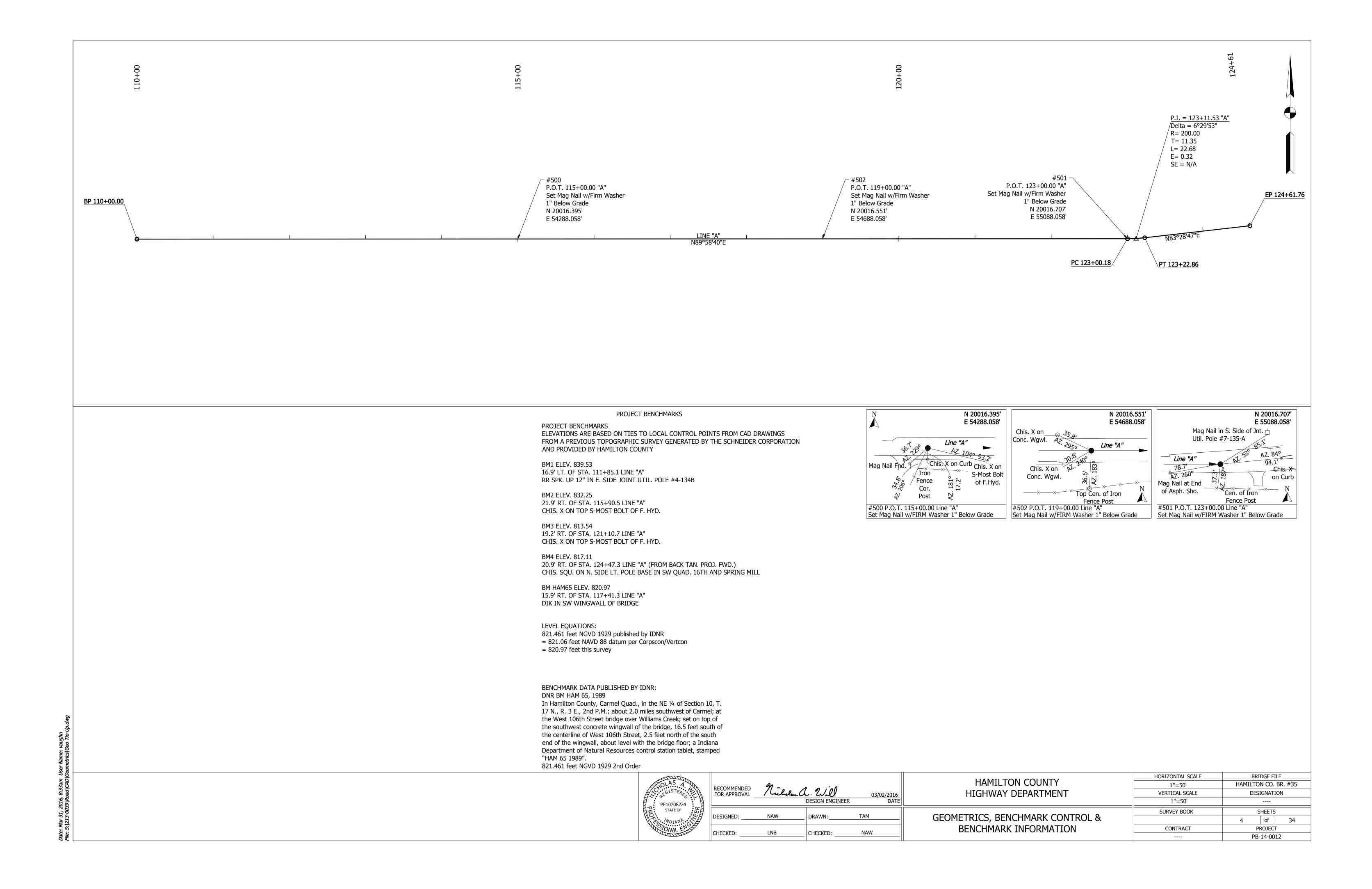
ECOMMENDED FOR APPROVAL	Nilde a	C. WID DESIGN ENGINEER	03/02/2016 DATE	
ESIGNED:	NAW	DRAWN:	CCW	
HECKED:	LNB	CHECKED:	NAW	

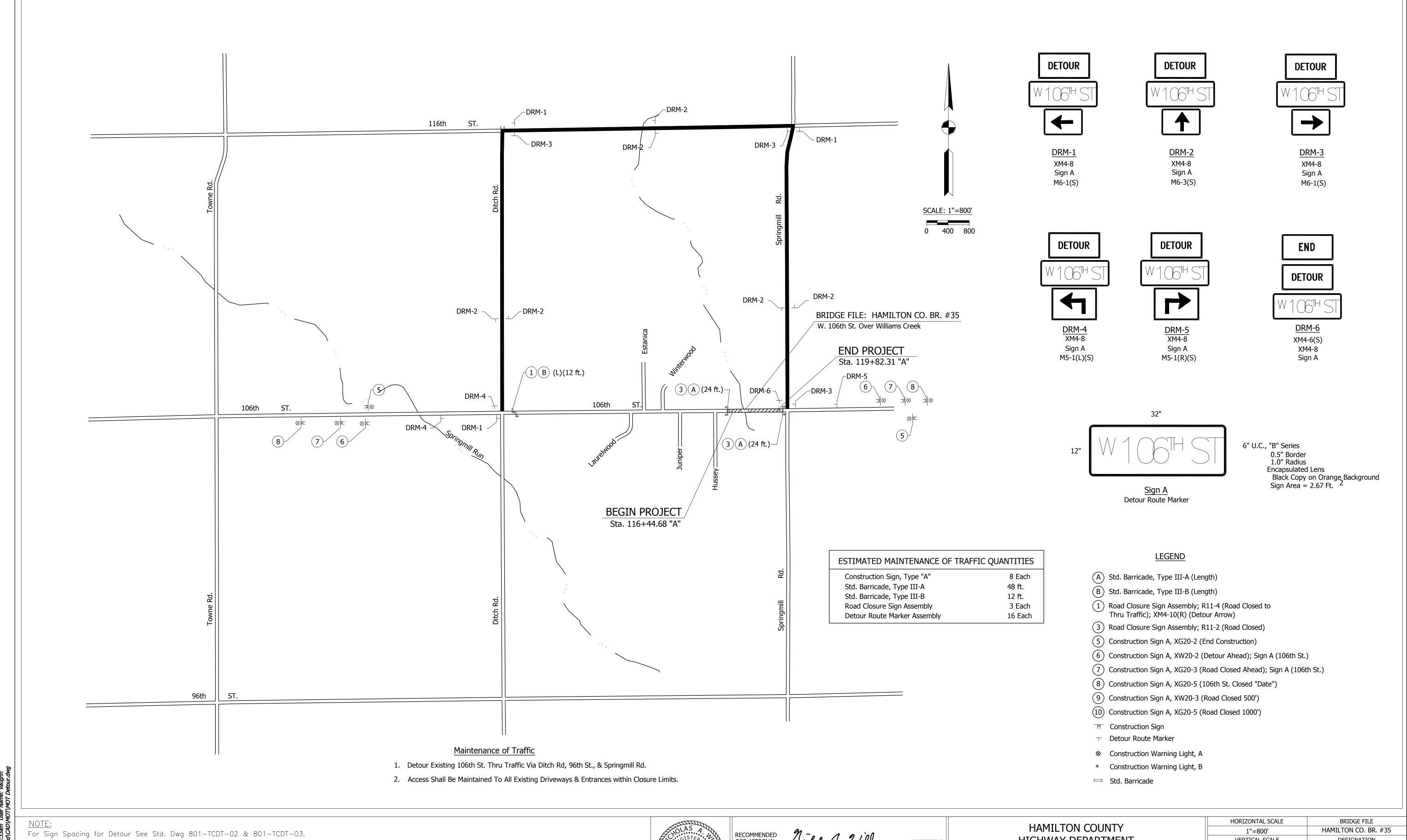
HAMILTON COUNTY	HORIZONTAL SCALE	DGE F	ILE	
HAMILTON COUNTY	1"=5'	1"=5' HAMILTON CO. BR		
HIGHWAY DEPARTMENT	VERTICAL SCALE DESIGNATION			ION
	1"=5'			
T/DICAL CECTIONS	SURVEY BOOK	9	HEET	5
TYPICAL SECTIONS		3	of	34
LINE "A"	CONTRACT	PROJECT		
		PB-14-0012		

Date: Mar 31, 2016, 8:32am User Name: vaughn File: S:|213-0039|Road|CAD\Misc DWG|2130039 Typ.dwg Limits of Subgrade Treatment Type IC $^{-\prime}$

Auxiliary Widening Section Left

Sta. 119+82.31 to Sta. 120+15.28 "A"

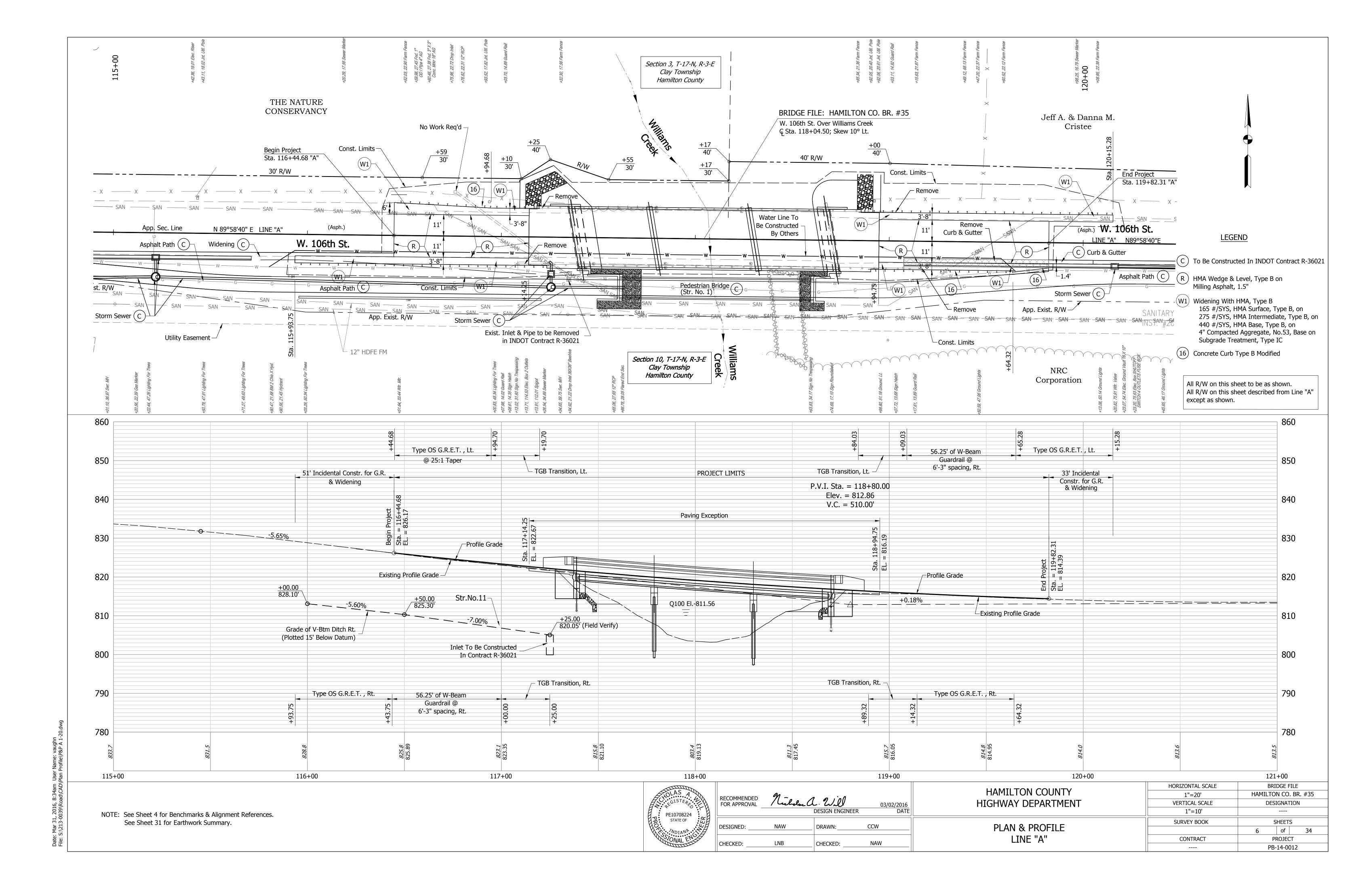


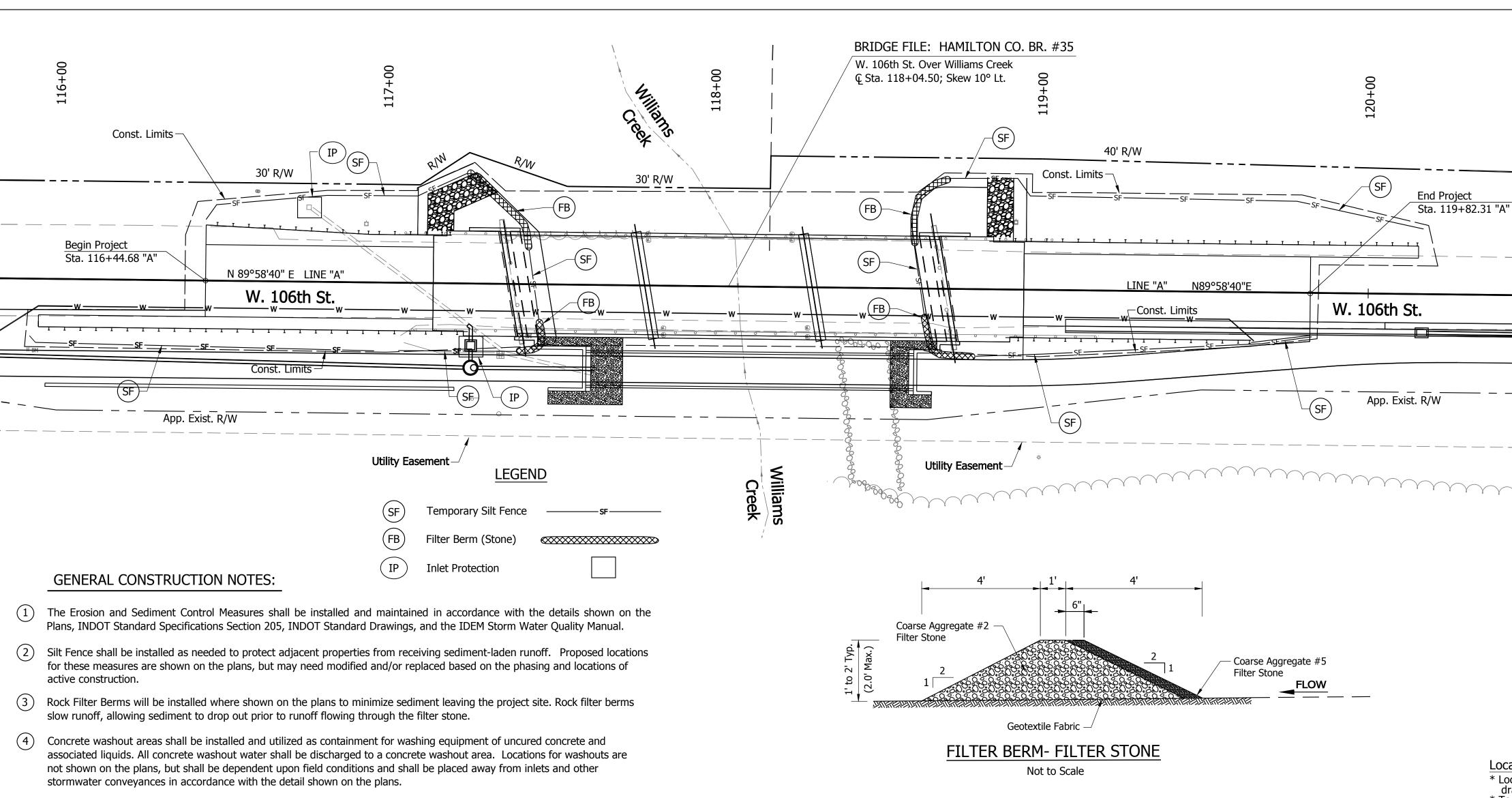




RECOMMENDED FOR APPROVAL	Nilslan C	L. WIJ DESIGN ENGINEER	03/02/2016 DATE	
DESIGNED:	NAW	DRAWN:	CCW	
CHECKED:	LNB	CHECKED:	NAW	

LIANATI TONI COLINITY	HORIZONTAL SCALE	BRIDGE FILE			
HAMILTON COUNTY	1"=800'	HAMILTON CO. BR. #35			
HIGHWAY DEPARTMENT	VERTICAL SCALE	DESIGNATION			
	1"=800'				
	SURVEY BOOK	9	SHEETS		
AINTENANCE OF TRAFFIC		5	of	34	
DETOUR ROUTE	CONTRACT	PROJECT			
DETOON NOOTE		PB-14-0012			





FB FILTER BERM (STONE)						
FROM STATION	TO STATION	LEFT	RIGHT	TOTAL LENGTH		
			4	(LFT)		
Line "A"						
116+44.68	117+14.41	X		30		
116+44.68	117+14.41		Х	20		
118+95.11	119+82.31	X		25		
118+95.11	119+82 31		Χ	25		

FROM STATION	TO STATION	LEFT	RIGHT	TOTAL LENGTH
			TX	(LFT)
Line "A"				
116+44.68	117+14.41	X		30
116+44.68	117+14.41		Х	20
118+95.11	119+82.31	Х		25
118+95.11	119+82.31		Х	25
TOTAL:				100

INLET PR	ROTECTIO	N
STATION	LOCATION	TOTAL
		(EACH)
Line "A"		
116+76	22.7' Lt.	1
117+26	19.0' Rt.	1

TOTAL:

(5) Temporary surface stabilization shall be accomplished by the use of a temporary seeding mixture along with temporary

(6) Where pavement is not proposed, permanent surface stabilization shall be achieved by the use of a seeding mixture, along

occur upon final grading in areas and shall be per INDOT Standard Specifications, Section 621, unless otherwise specified.

(7) Inlet protection shall be installed to trap sediment on paved streets that receive relatively small runoff flows, there is a

LOCATION

Lt.

Rt.

Lt.

Rt.

(SF) TEMPORARY SILT FENCE

TO

STATION

117+14.25

117+14.25

120+15.28

119+82.31

mulching. The temporary seed mixture shall be used to establish a temporary cover for disturbed soils during the

construction operations. Temporary seeding shall be placed on disturbed areas that are expected to be undisturbed for over 7 days or as directed by the Engineer. Placement of the temporary surface stabilization shall be as per the INDOT Standard

with mulching material/erosion control blankets and fertilizer or sod. Placement of the permanent surface stabilization shall

potential for sediment to wash onto the road from surrounding areas, or to be tracked by construction equipment, preventing

TOTAL

LENGTH

(LFT)

100

150

150

135

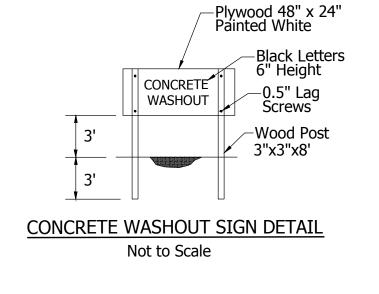
535

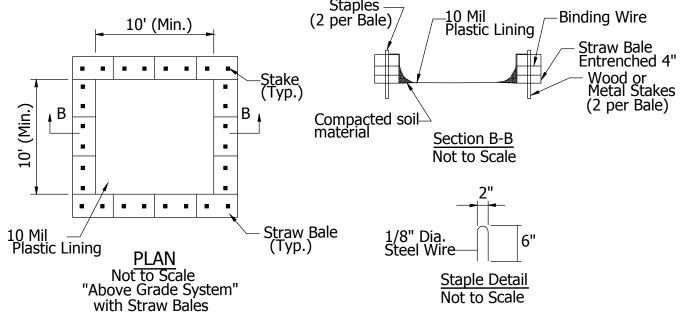


TEMPORARY SEEDING (0.11 ac)				
Tananana Caadiaa Mistana (150 lha/Aana * 2 anal)				
Temporary Seeding Mixture (150 lbs/Acre * 2 appl.) 33 lb				
Temporary Mulch (2.5 Ton/Acre * 2 appl.) 1 Ton				
Temporary Mulch Stabilization, Type A	520 SYS			

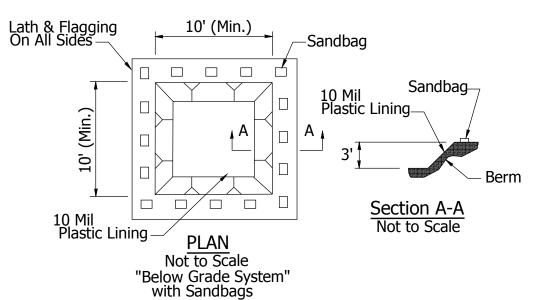
PROJECT QUANTITIES	
No. 2 Stone (2 Construction Entrances, Locations Determined in Field)	100 Ton
Sediment, Remove	5 CYS
*Concrete Washout (Locations Determined in Field)	2 Each

*Not Paid for Directly





CONCRETE WASHOUT - ABOVE GRADE SYSTEM



CONCRETE WASHOUT - BELOW GRADE SYSTEM

Location:

- * Locate concrete washout systems at least 50 feet from any creek, wetlands, ditches, karst features, or storm
- drains/man made conveyance systems.
- * To the extent practical, locate concrete washout systems in relatively flat areas that have established vegetative cover and do not receive runoff from adjacent land areas.
- * Locate in areas that provide easy access for the concrete trucks and other construction equipment. * Locate away from other construction traffic to reduce the potential for damage to system.

Materials:

- * Minimum of ten millimeter polyethylene sheeting that is free of holes, tears, and other defects. The sheeting
- selected should be of appropriate size to fit the washout system without seams or overlap of the lining.
- * Orange safety fencing or equivalent. * Straw bales, sandbags (bags should be ultraviolet-stabilized geotextile fabric), soil material, or other
- appropriate materials that can be used to construct a containment system (above grade system) * Metal pins or staples at a minimum of six inches in length, sandbags, or alternate fasteners to secure
- polyethylene lining to the containment system. * Non-collapsing and non-water holding cover for use during rain events. (optional)

Installation:

- * Utilize and follow the design in the storm water pollution prevention plan to install the system.
- * Dependent on the type of system, either excavate the pit or install the containment system.
- * A base shall be constructed an prepared that is free of rocks and other debris that may cause tears or punctures in the
- * Install the polyethylene lining. For excavated systems, the lining should be extended over the entire excavation. The lining for bermed system should be installed over the pooling area with enough material to extend the lining over the berm or containment system. The lining should be secured with pins, staples, or other fasteners.
- * Place flags, safety fencing, or equivalent to provide a barrier to construction equipment and other traffic.
- * Place non-collapsing, non-water holding cover over the washout facility prior to predicted rainfall event to prevent
- accumulation of water and possible overflow of the system (optional). * Install signage that identifies concrete washout areas.
- * Post signs directing contractors and suppliers to designated locations.
- * Where necessary, provide stable ingress and egress or alternative approach pad for concrete washout systems.



PE10708224	RECOMMENDED FOR APPROVAL	Nicholan a	L. WIJ DESIGN ENGINEER	03/02/2 [
STATE OF WDIANA	DESIGNED:	NAW	DRAWN:	CCW
ONAL EN	CHECKED:	LNB	CHECKED:	NAW

LIANATI TONI COLINITY	HORIZONTAL SCALE BRIDGE F					
HAMILTON COUNTY HIGHWAY DEPARTMENT EROSION/SEDIMENT CONTROL PLANS	1"=20'	HAMILTON CO. BR. #35				
HIGHWAY DEPARTMENT	VERTICAL SCALE	DE	SIGNATIO	ON		
	1"=20'	1"=20'				
	SURVEY BOOK		SHEETS			
POSION/SEDIMENT CONTROL DI ANS		7	of	34		
INOSION/SEDIMENT CONTROL LANS	CONTRACT PRO:					
		PB-14-0012				

Specifications, Section 205.

FROM

STATION

116+44.68

115+93.75

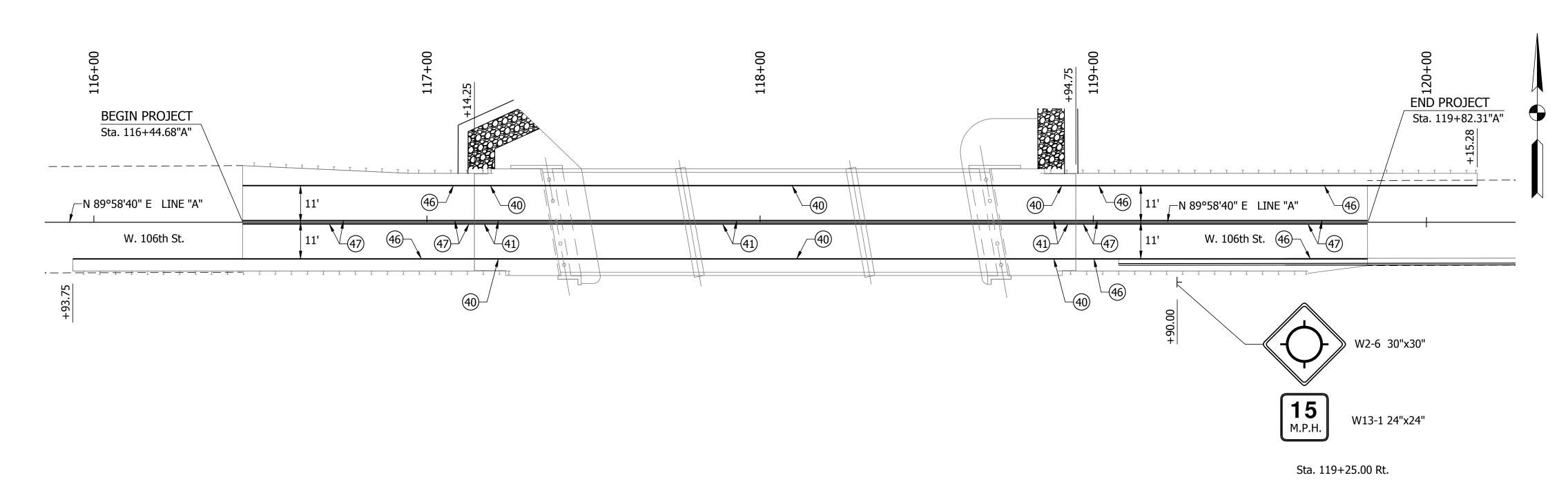
118+94.75

118+94.75

TOTAL:

Line "A"

it from being transported into the inlet.



PAVEMENT MARKING SUMMARY							
		THERMOPLASTIC		MULTI-CO	MPONENT		
FROM STATION	TO STATION	LINE, SOLID, WHITE, 4"	LINE, SOLID, YELLOW, 4"	LINE, SOLID, WHITE, 4"	LINE, SOLID, YELLOW, 4"		
		LF	LF	LF	LF		
Line "A"							
115+93.75	117+14.25	192	142				
117+14.25	118+94.75			362	362		
118+94.75	120+15.28	209	176				
ТО	TAL	401	318	362	362		

SIGN, SHEET, & SUPPORTS, REMOVE					
LOCATION	DESCRIPTION	QUANTITY (EACH)			
Line "A"					
118+90.00 Rt.	Roundabout Ahead	1			
TOTAL		1			

							SHE	ET SI	GN &	POST SU	MMARY	,			
			SIGN									PO	ST		
							SQUARE								
PLAN	SIGN	CICN		SIGN	GPOL	JND - MOU	INTED	2 in. x	2 in. x 1	2 ga. (TYPE 2)	2-1,	/4 in. x 2-1/4 in	. x 12 ga. (T	YPE 1)	
SHEET NO.	LOCATION	SIGN	SIGN	SIZE		I AREA (Sq			REINFO	ORCED	REINF	ORCED	UNREI	NFORCED	REMARKS
/ LINE	(STA.)	CODE			3101	I AKLA (34	. 1 t. <i>)</i>	F	POST LEI	NGTH (Ft.)	POST LE	NGTH (Ft.)	POST LI	ENGTH (Ft.)	
	(31711)			(IN. x IN.)	0.080	0.100	0.125	1	2	TOTAL (Ft.)	1	TOTAL	1	TOTAL	
ine "A"															
	119+25.00 Rt.	W2-6	Roundabout Ahead	30"x30"	6.25						15.00	15.00			
		W13-1	15 mph	24"x24"	4.00										
	•	TOTAL:		,	10.25							15.00			

COLAS A	N.
PE10708224 STATE OF	ER
MOIANA GO	
	PE10708224 STATE OF

RECOMMENDED FOR APPROVAL	Nilder a	L. WI DESIGN ENGINEER	03/02/2016 DATE	
DESIGNED:	NAW	DRAWN:	CCW	
CHECKED:	CRF	CHECKED:	MAR	

LIANATI TONI COLINITY	HORIZONTAL SCALE	BRIDGE FILE		
HAMILTON COUNTY	1"=20'	HAMILTON CO. BR. #3		
HIGHWAY DEPARTMENT	VERTICAL SCALE	DESIGNATION		
	1"=20'			
DDODOGED DAVIENAENIT NAADVINIGGIGIGNI	SURVEY BOOK	SHEETS		
PROPOSED PAVEMENT MARKINGS/SIGN		8	of	34
DETAILS & TABLES	CONTRACT	PROJECT		•
		PE	3-14-001	2

<u>LEGEND</u>

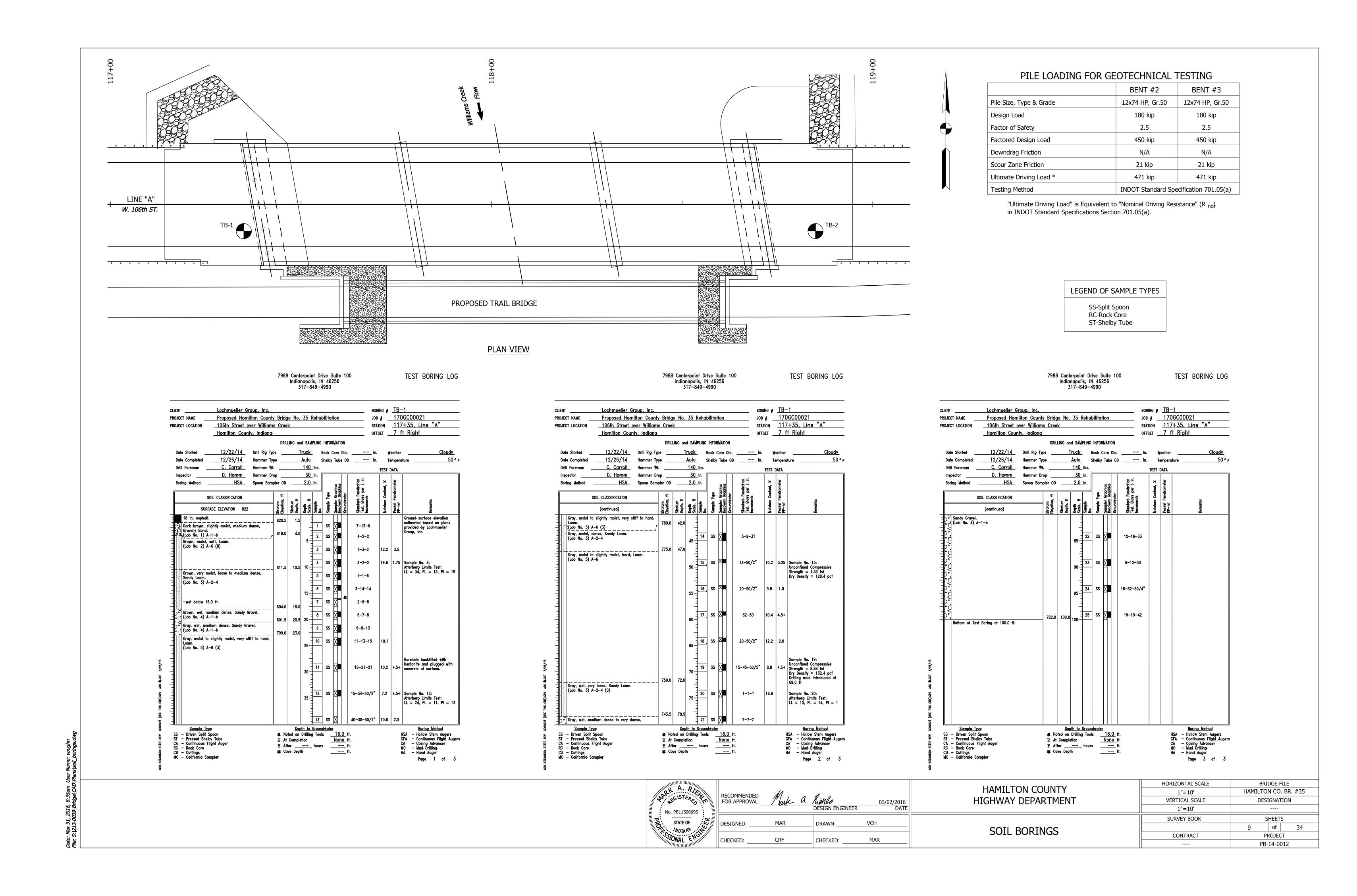
40 Line, Multi-Conponent, Solid, White, 4"

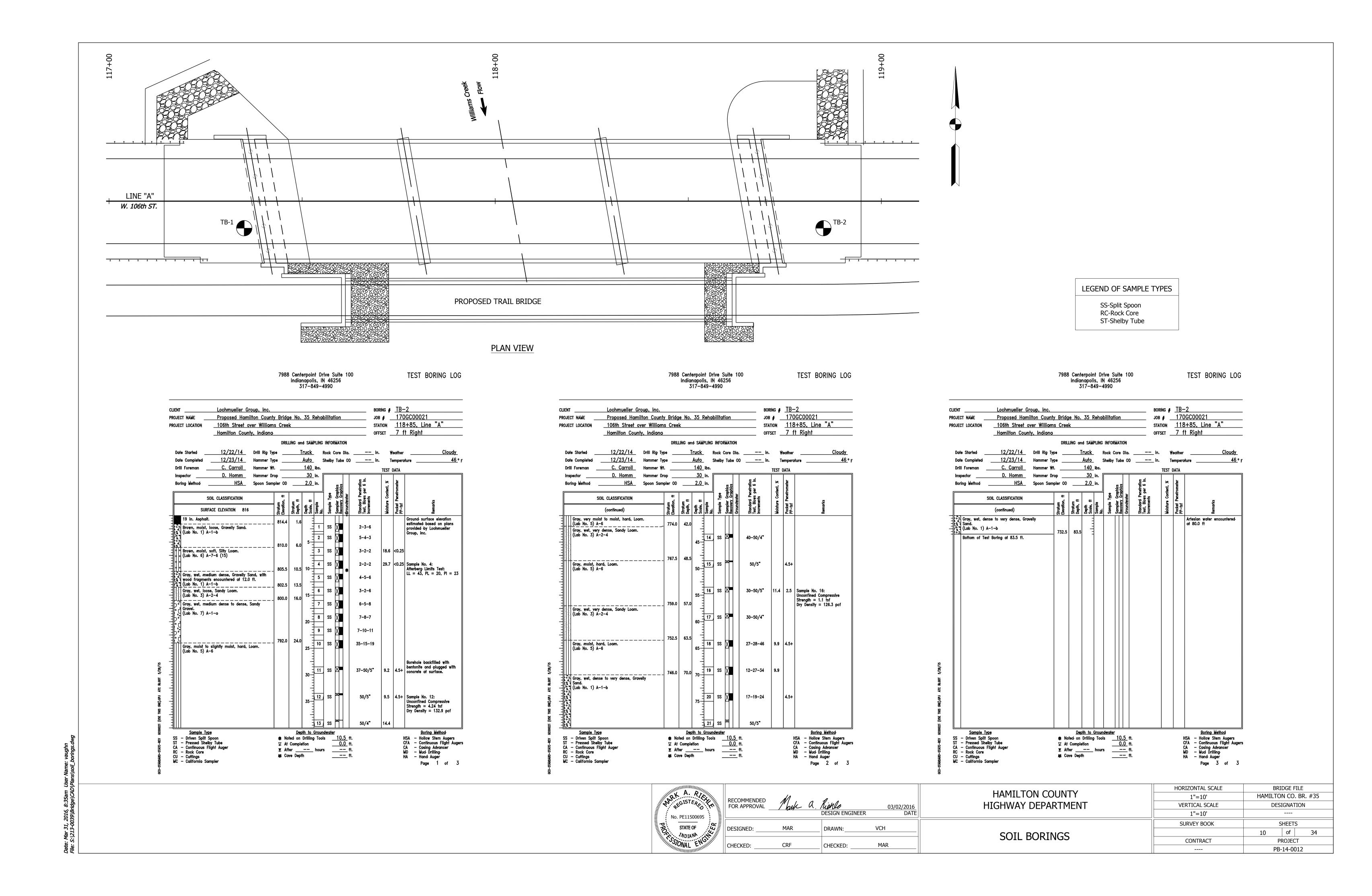
41) Line, Multi-Conponent, Solid, Yellow, 4"

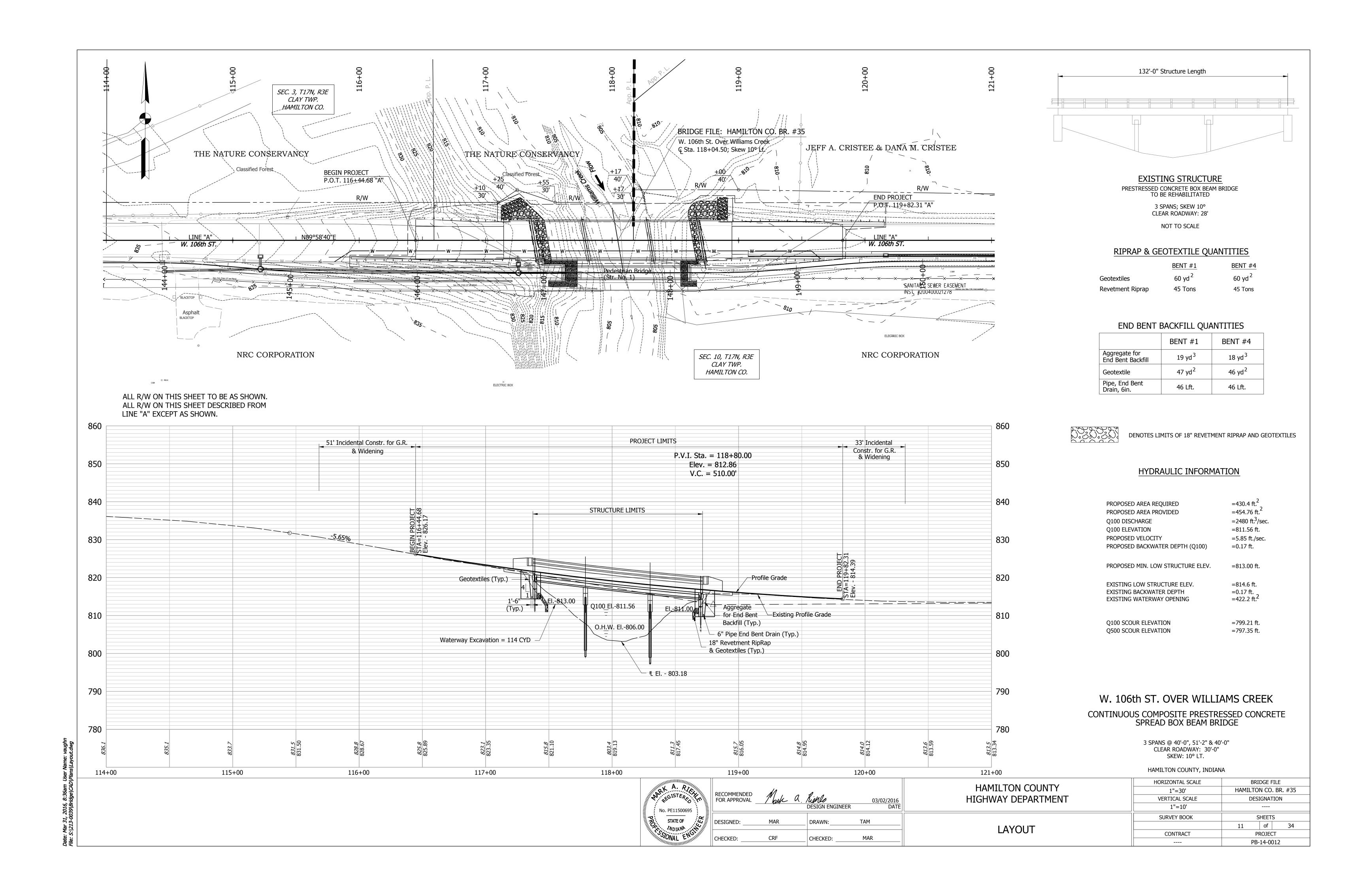
Line, Thermoplastic, Solid, White, 4"

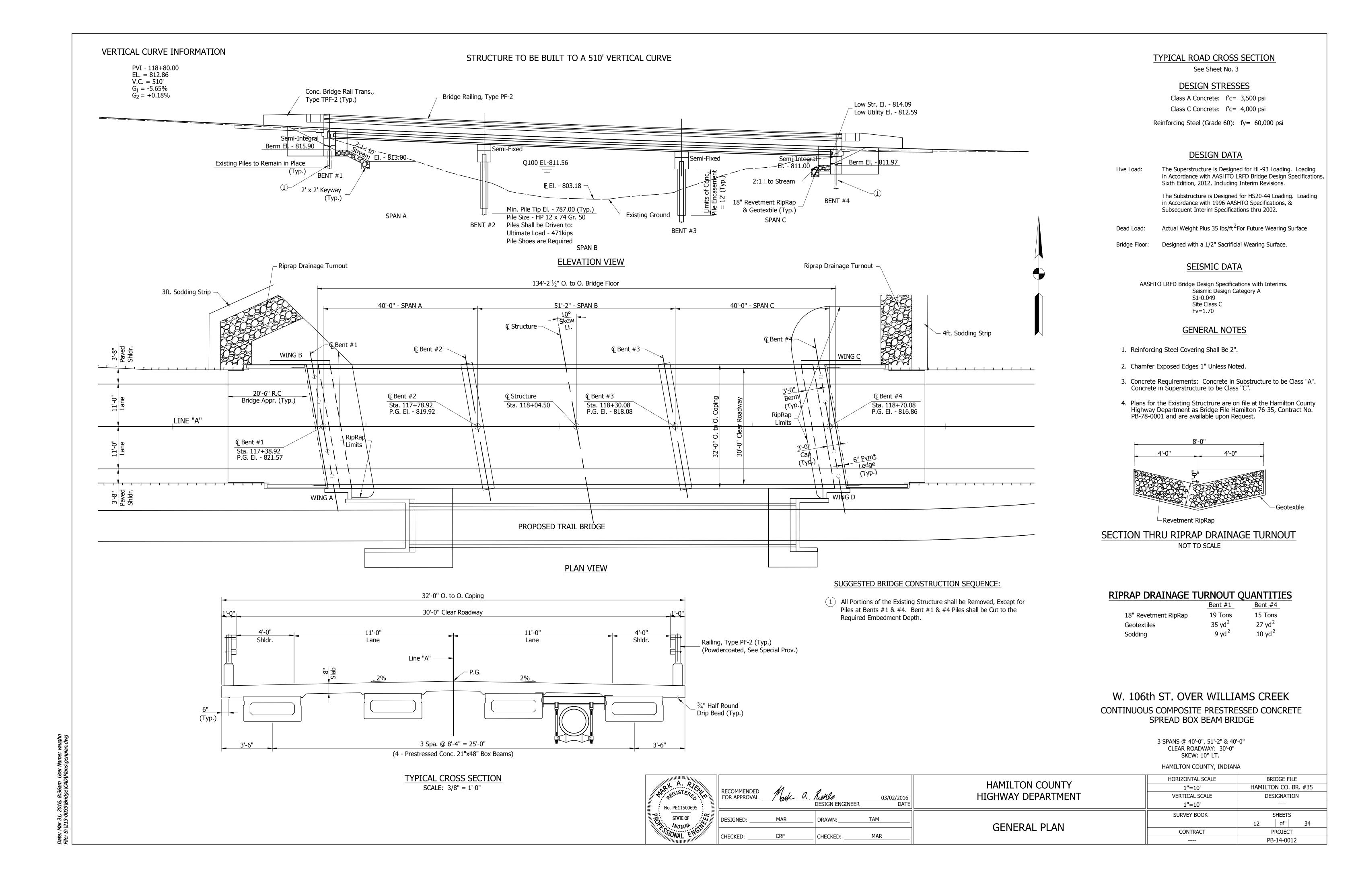
47) Line, Thermoplastic, Solid, Yellow, 4"

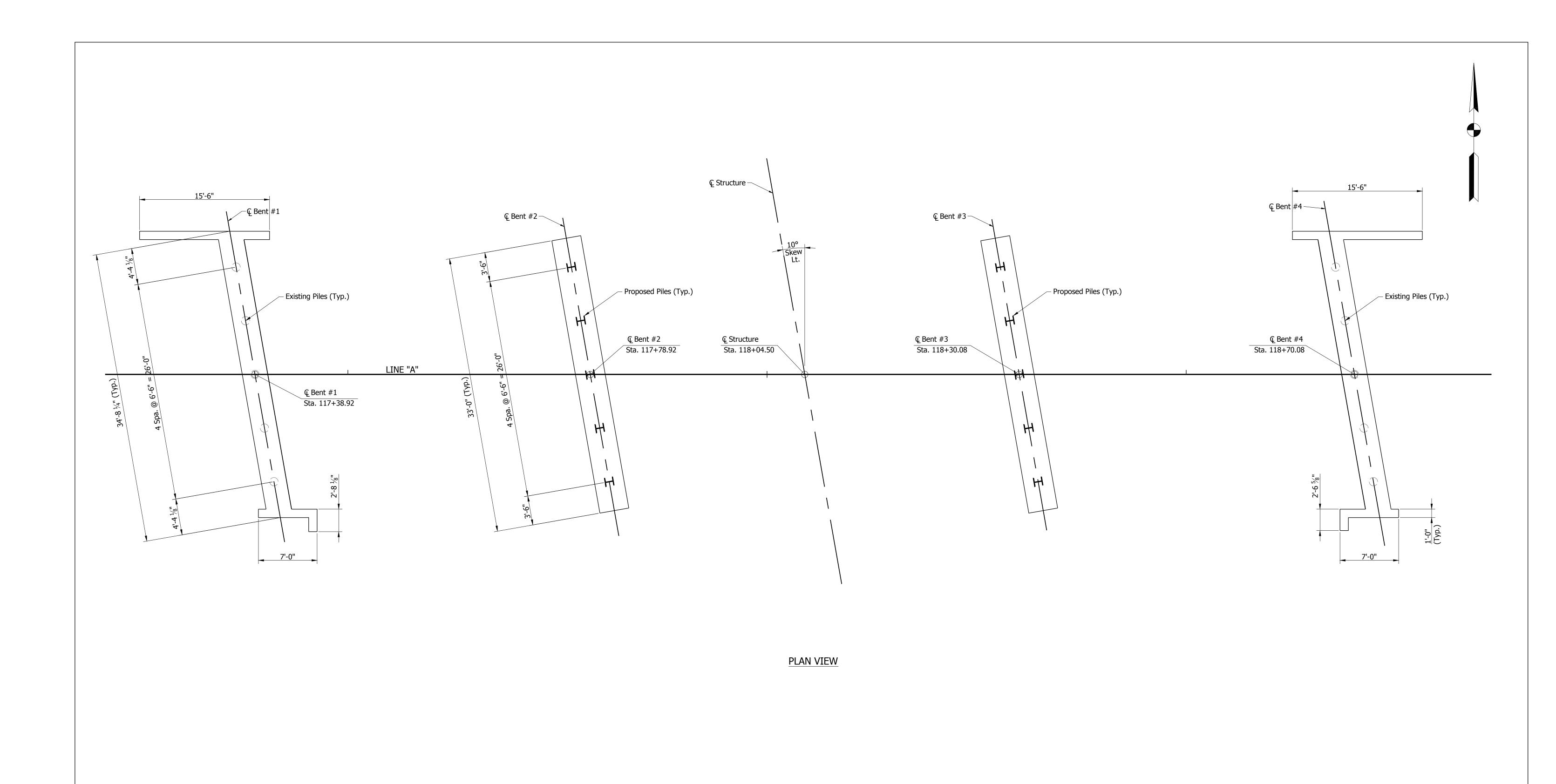
- Ground Mounted Sheet Sign









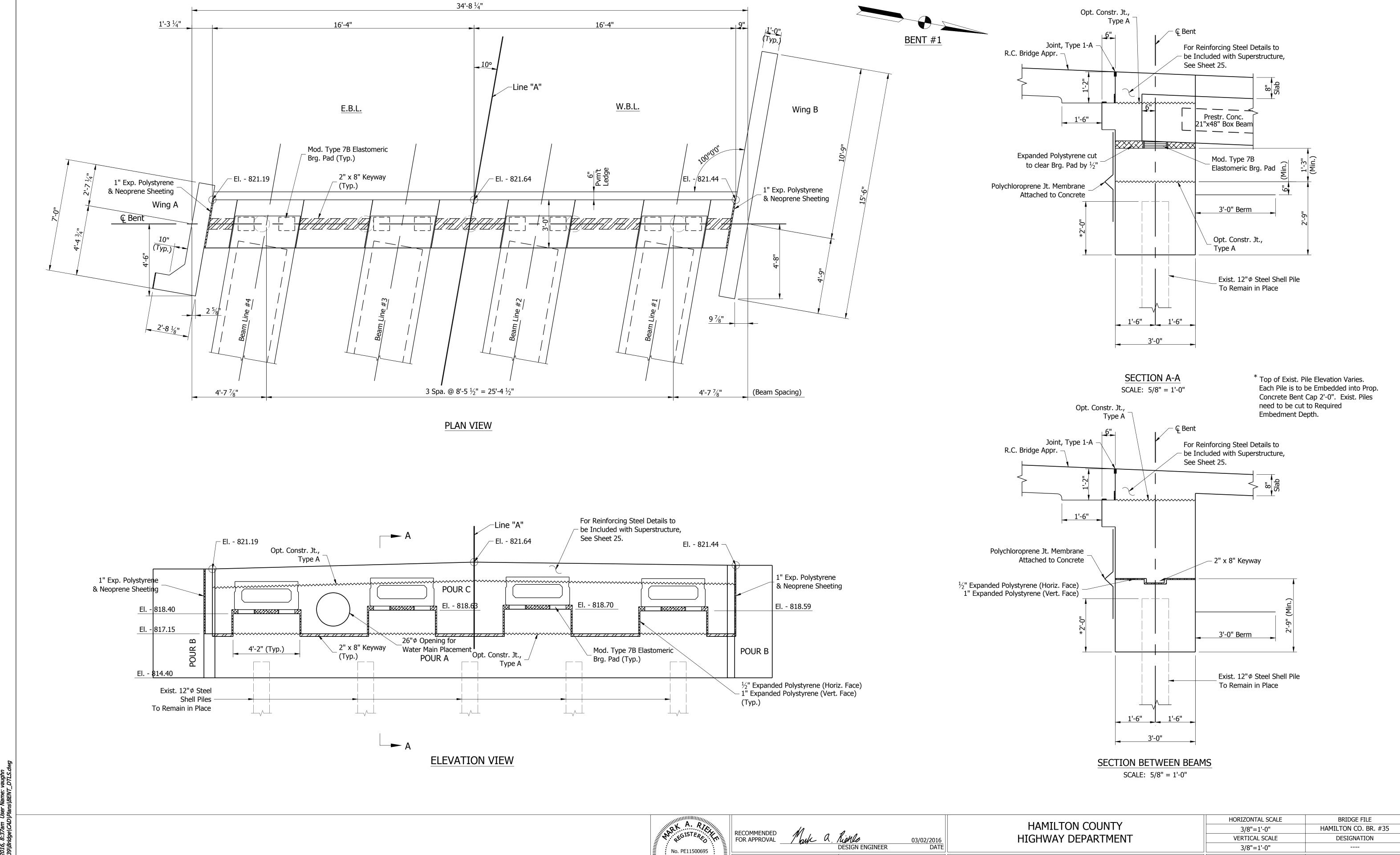


NOTE: Proposed Piles are HP 12x74. Piles Shall be Driven to Nominal Driving Resistance Shown on Table on Sheet 9.



RECOMMENDED FOR APPROVAL	Mark	A. <i>Righle</i> DESIGN ENGINEER	03/02/2016 DATE
DESIGNED:	ACS	DRAWN:	TAM
CHECKED:	MAR	CHECKED:	MAR

HAMILTON COUNTY HIGHWAY DEPARTMENT	HORIZONTAL SCALE	BRIDGE FILE		
	3/16"=1'-0"	HAMILTON CO. BR. #35		
	VERTICAL SCALE	DESIGNATION		
	3/16"=1'-0"			
	SURVEY BOOK	SHEETS		
FOUNDATION LAYOUT		13	of	34
FOUNDATION LATOUT	CONTRACT	PROJECT		
		DR_1/L0012		



STATE OF WOLANA CHANGE

DESIGNED:

CHECKED:

ACS

MAR

TAM

ACS

CHECKED:

END BENT #1 CONSTRUCTION

SURVEY BOOK

CONTRACT

SHEETS

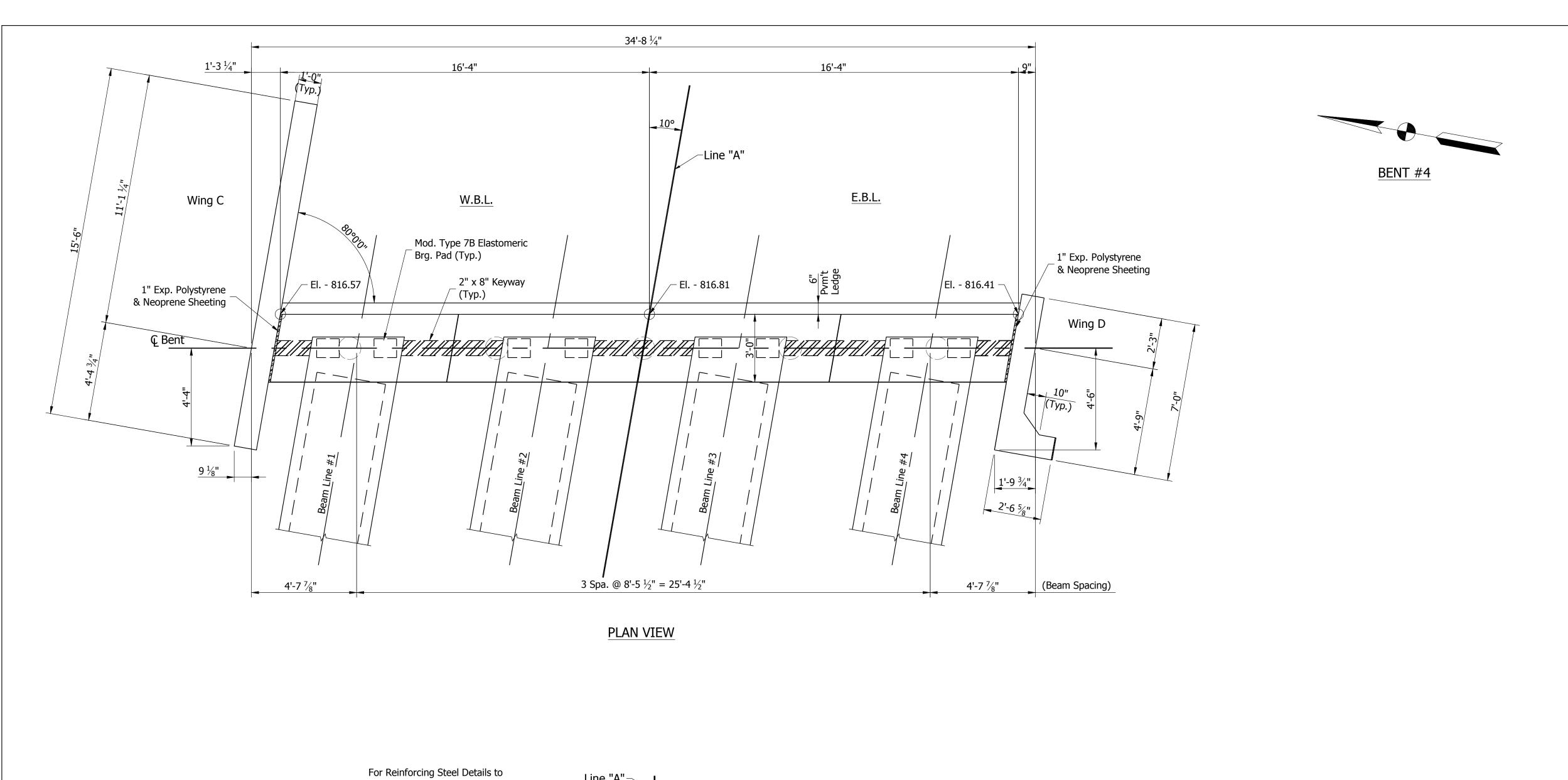
of

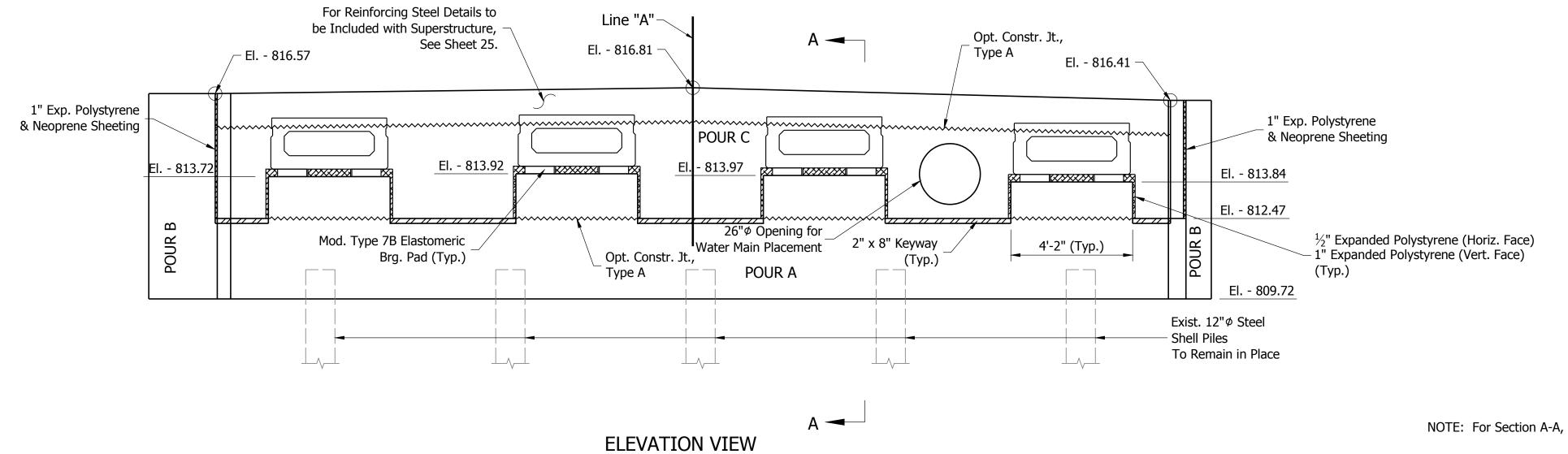
PROJECT

PB-14-0012

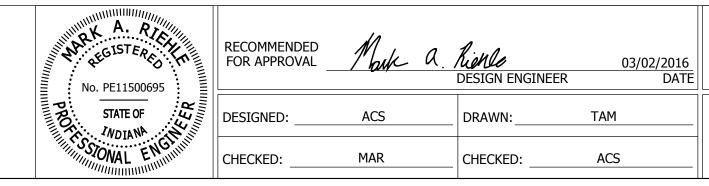
14

Date: Mar 31, 2016, 8:37am User Name:

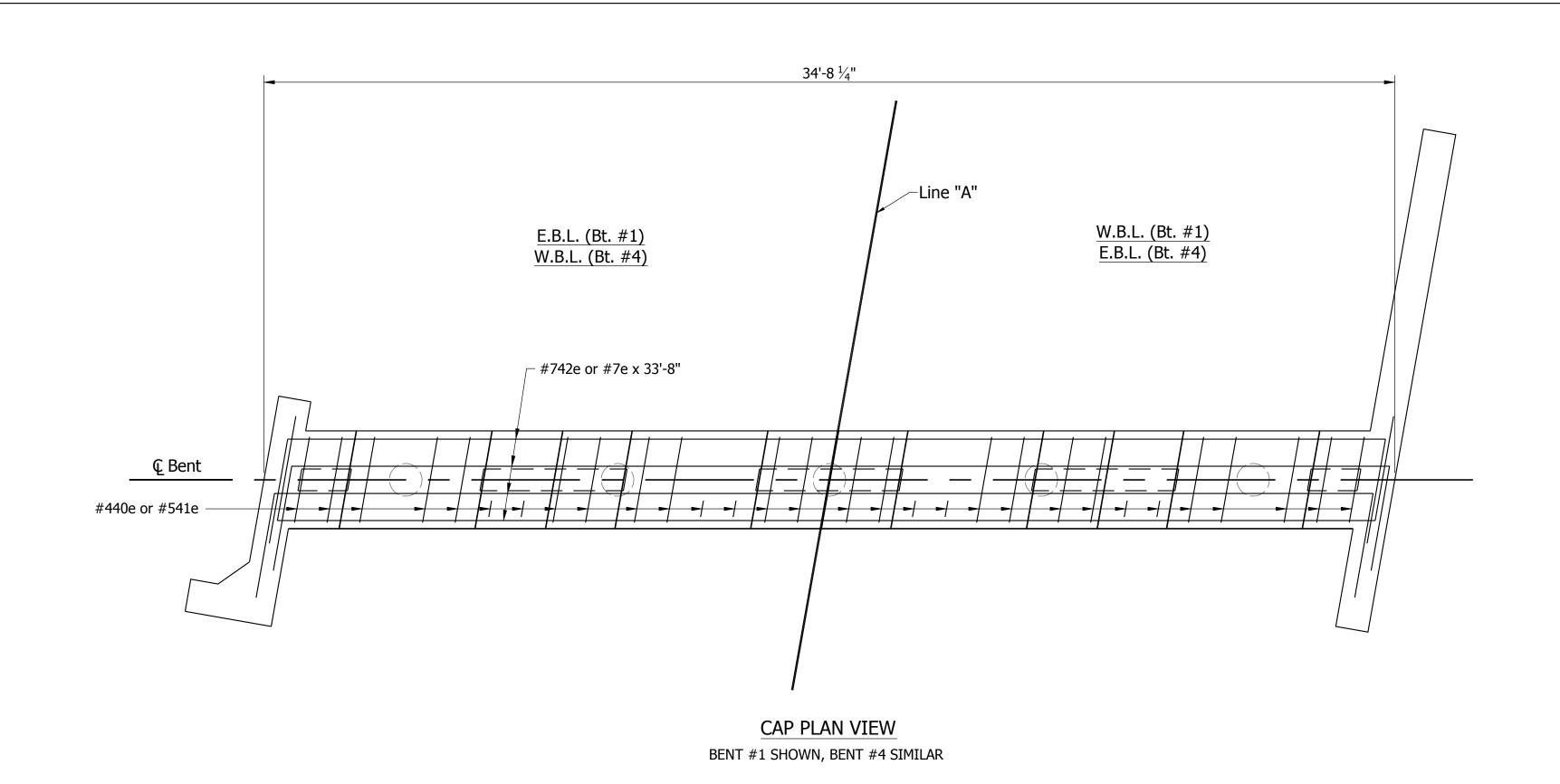


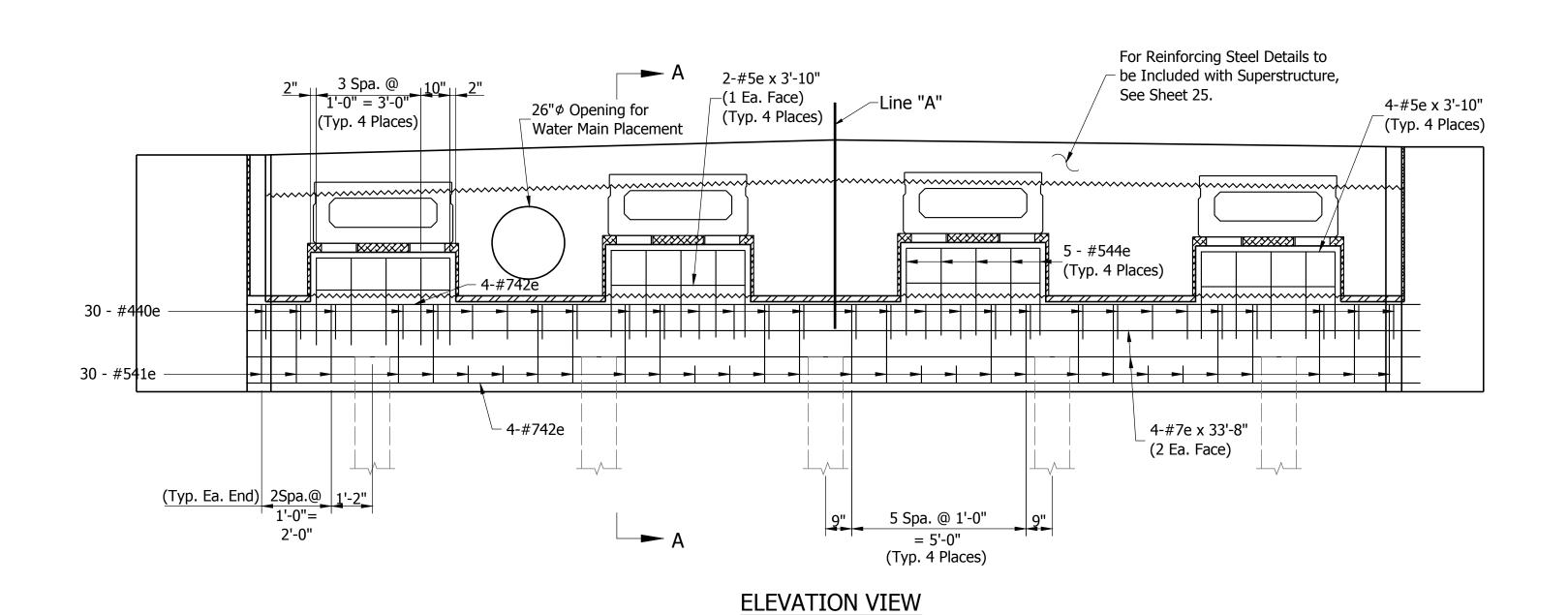


NOTE: For Section A-A, See Sheet 14.

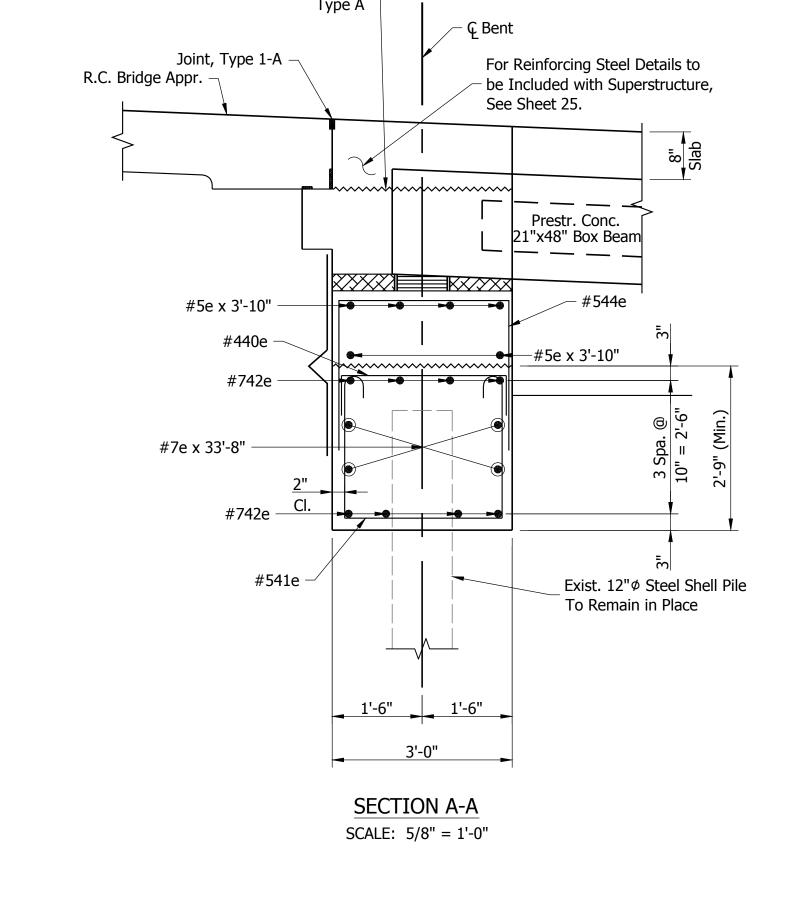


LIANTI TONI COLINITY	HORIZONTAL SCALE	BRIDGE FILE			
HAMILTON COUNTY	3/8"=1'-0" HAMILTON CO. BR.				
HIGHWAY DEPARTMENT	VERTICAL SCALE	DES	IGNATIC	ON	
_	3/8"=1'-0"				
	SURVEY BOOK SHEETS				
END BENT #4 CONSTRUCTION		15	of	34	
END BENT #4 CONSTRUCTION	CONTRACT	PROJECT			
		PB-14-0012			

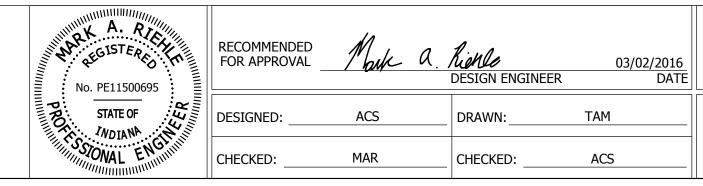




BENT #1 SHOWN, BENT #4 SIMILAR



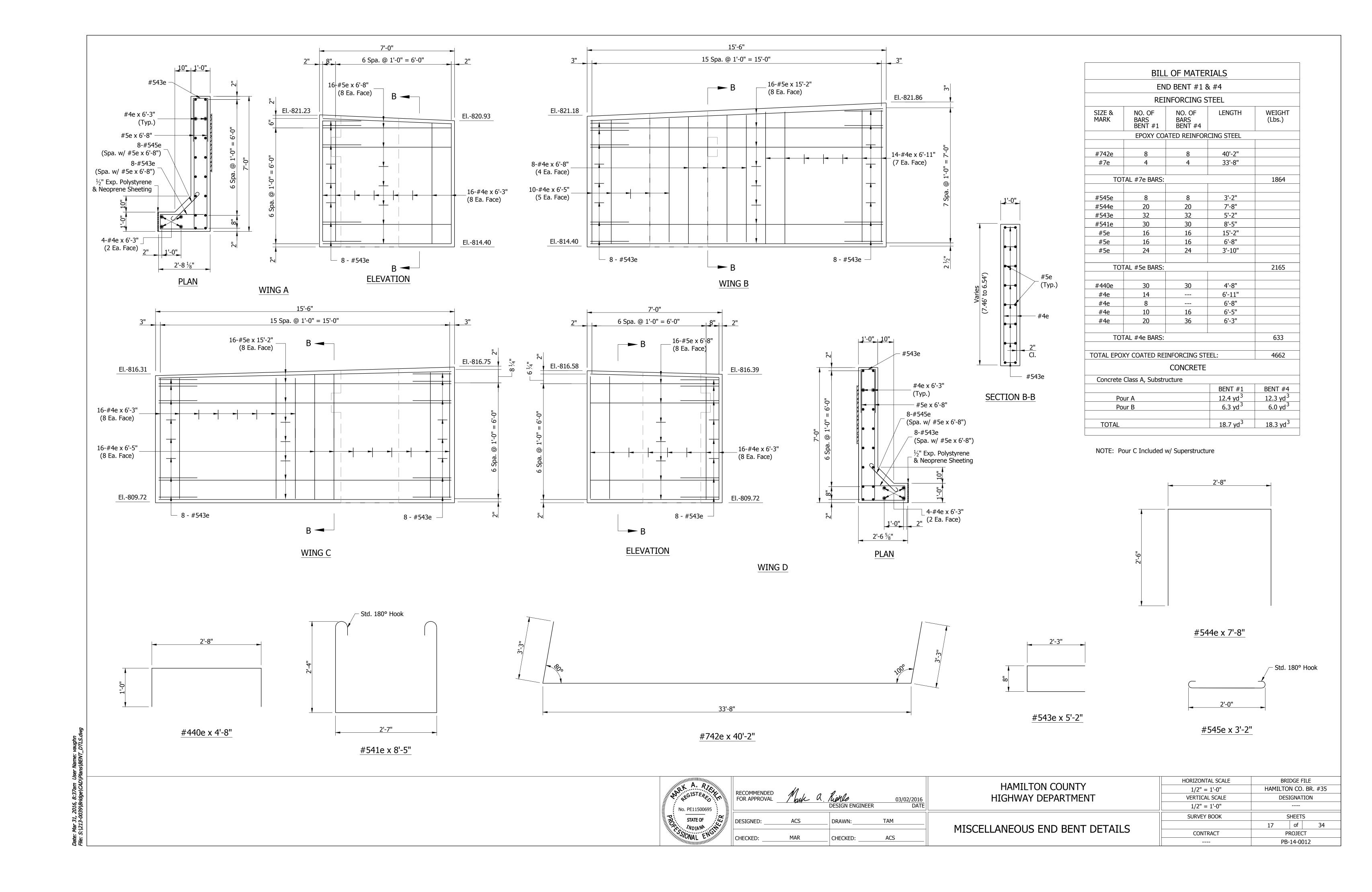
Opt. Constr. Jt.,

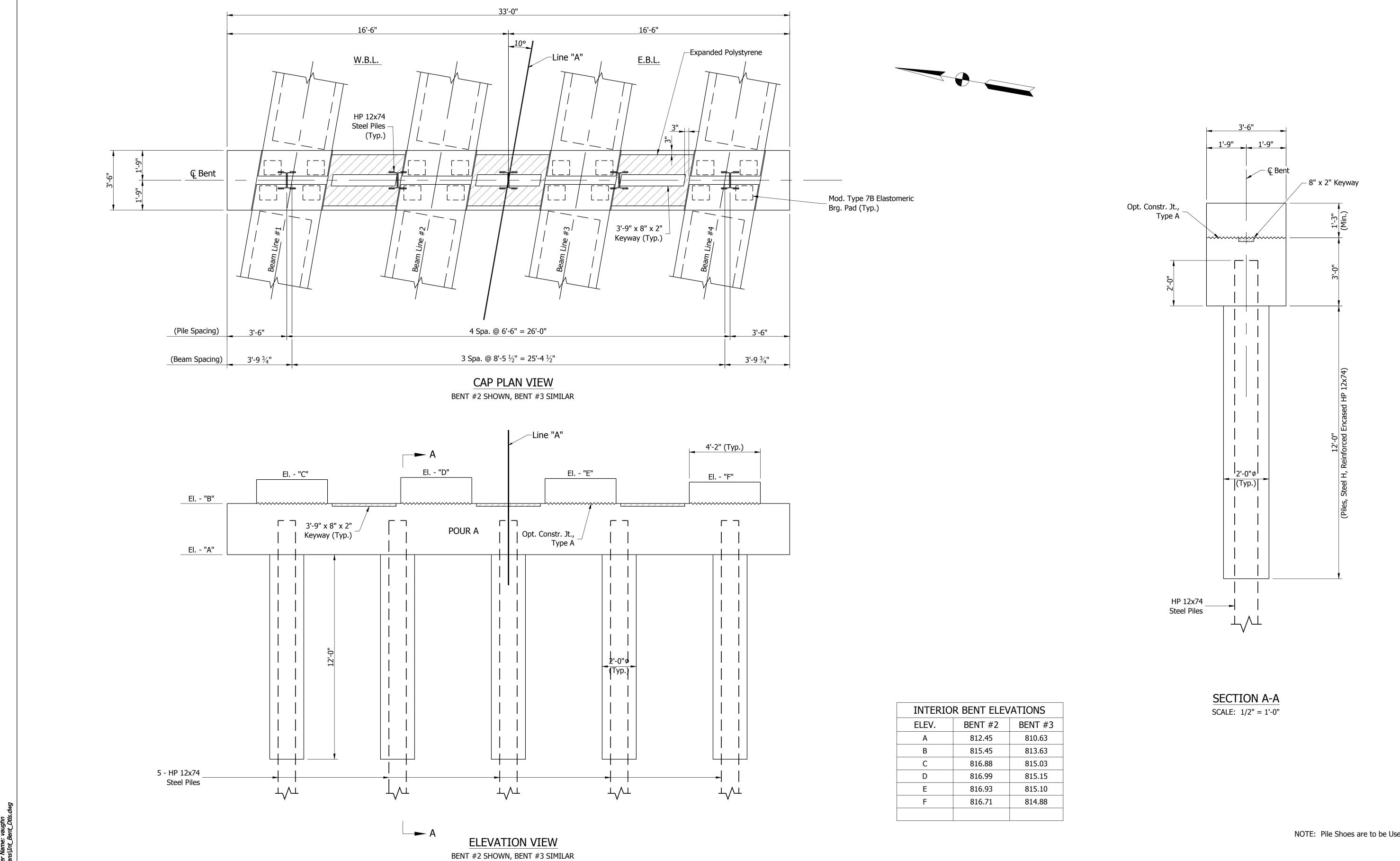


BENT #4

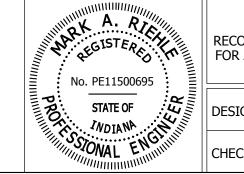
LIABATI TONI COLINITY	HORIZONTAL SCALE	BRIDGE FILE		
HAMILTON COUNTY HIGHWAY DEPARTMENT	3/8" = 1'-0"	HAMILTON CO. BR. #35		
	VERTICAL SCALE	DESIGNATION		
	3/8" = 1'-0"			
	SURVEY BOOK	SHEETS		
END BENT #1 & #4 DETAILS		16 of 34		
LIND DEINT #1 & #4 DETAILS	CONTRACT	PROJECT		
		PB-14-0012		

Date: Mar 31, 2016, 8:37am User Name: v



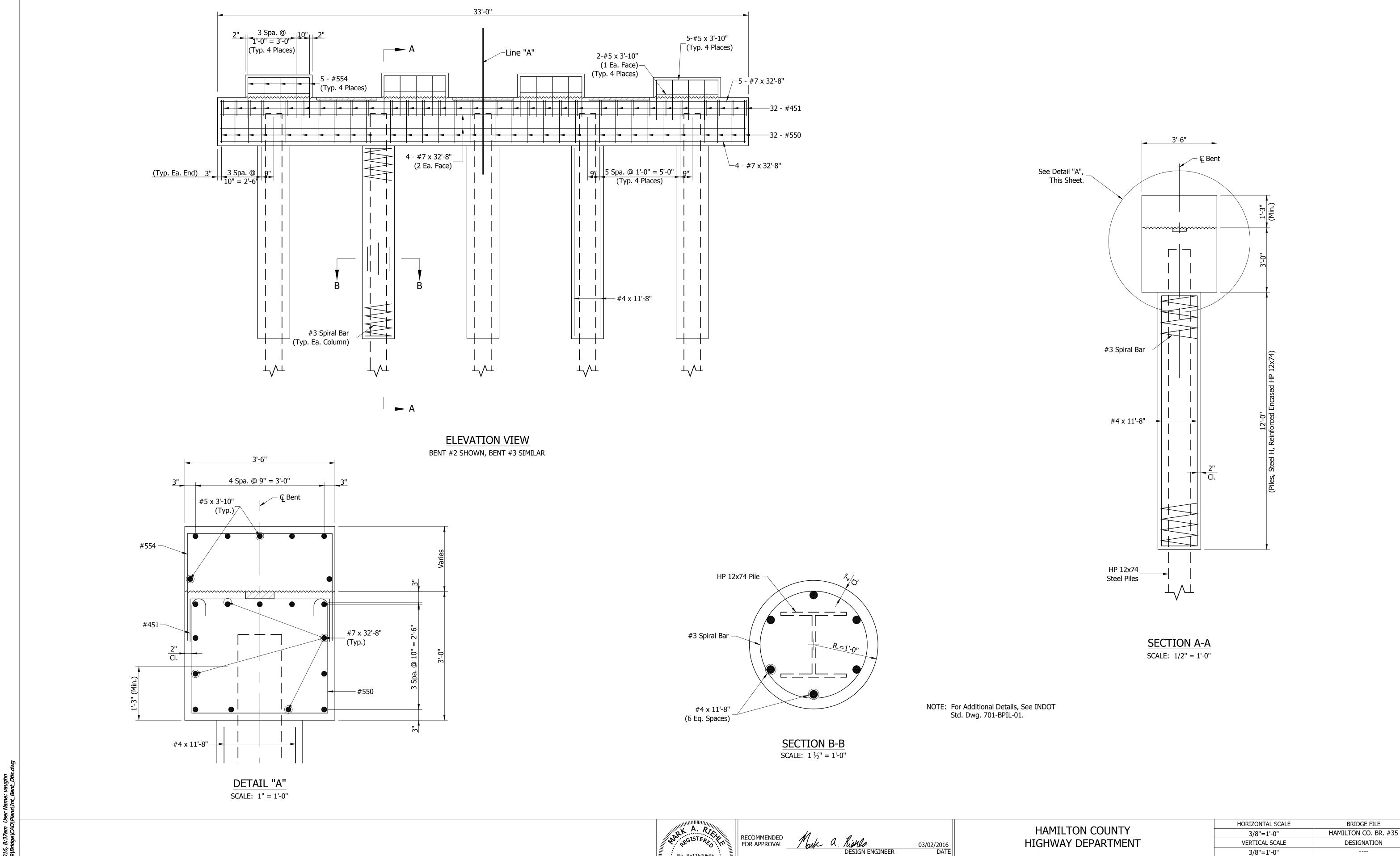


NOTE: Pile Shoes are to be Used on Each Pile.



RECOMMENDED FOR APPROVAL	Mark	A. <i>Righle</i> DESIGN ENGINEER	03/02/2016 DATE
DESIGNED:	ACS	DRAWN:	VCH
CHECKED:	MAR	CHECKED:	ACS

LIANATI TONI COLINITY	HORIZONTAL SCALE	BRIDGE FILE			
HAMILTON COUNTY	3/8"=1'-0"	HAMILTON CO. BR. #35			
HIGHWAY DEPARTMENT	VERTICAL SCALE	DESIGNATION			
	3/8"=1'-0"				
	SURVEY BOOK	SHEETS			
TERIOR BENT #2 & #3 CONSTRUCTION		18 of 34			
TERIOR DENT #2 & #3 CONSTRUCTION	CONTRACT	PROJECT			
		PB-14-0012			

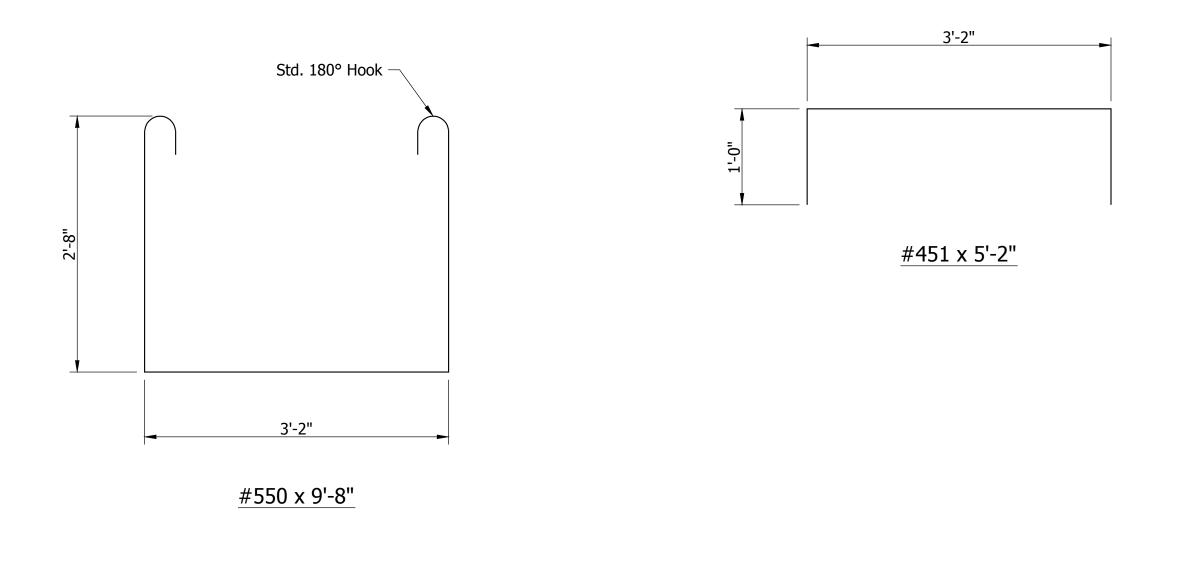


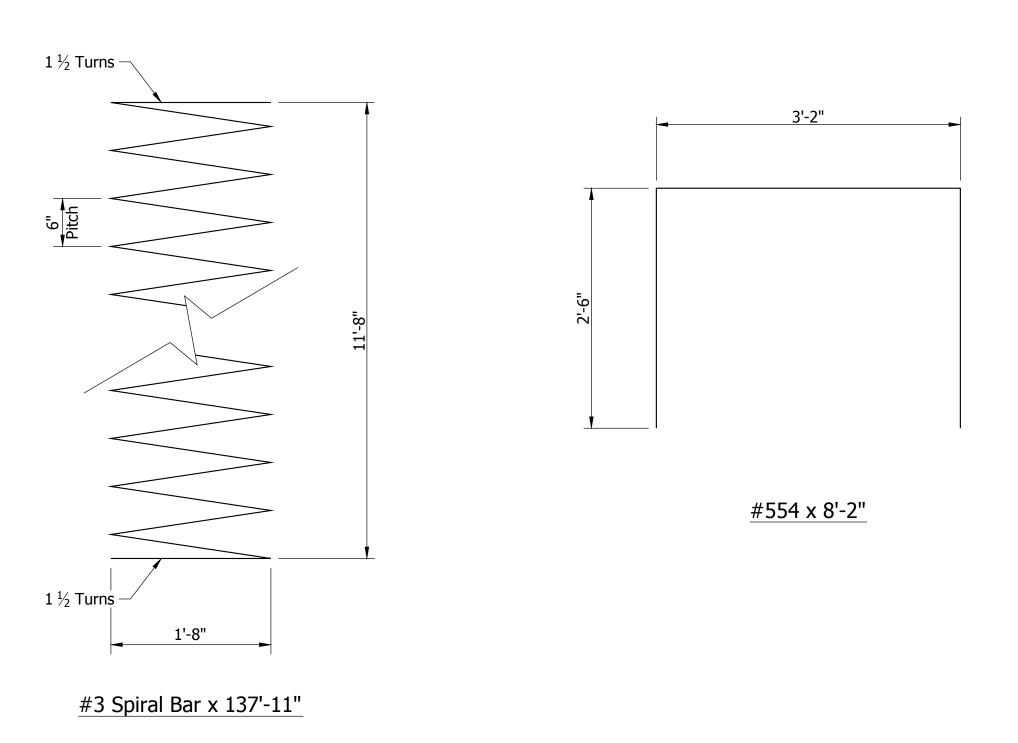
ШПППППППП	RECOMMENDED FOR APPROVAL	Mark a	L. Righle DESIGN ENGINEER	03/02/2016 DATE
	DESIGNED:	ACS	DRAWN:	VCH
	CHECKED:	MAR	CHECKED:	ACS

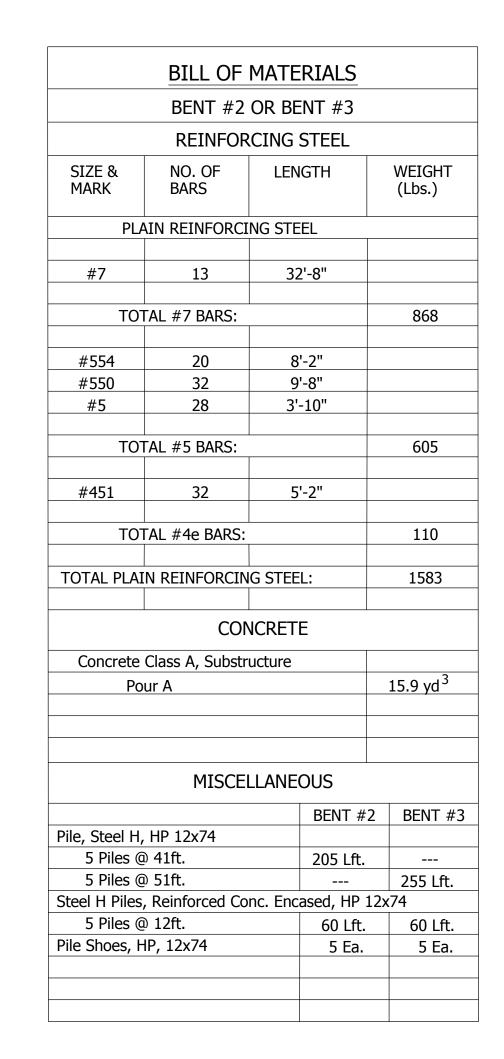
HAMILTON COUNTY	
HIGHWAY DEPARTMENT	

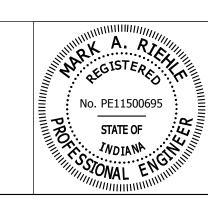
INTERIOR BENT #2 & #3 DETAILS

3/8"=1'-0"	HAMILTO	N CO.	BR. #35						
VERTICAL SCALE	DESIGNATION								
3/8"=1'-0"									
SURVEY BOOK	S	HEETS							
	19	of	34						
CONTRACT	PROJECT								
	PB-14-0012								



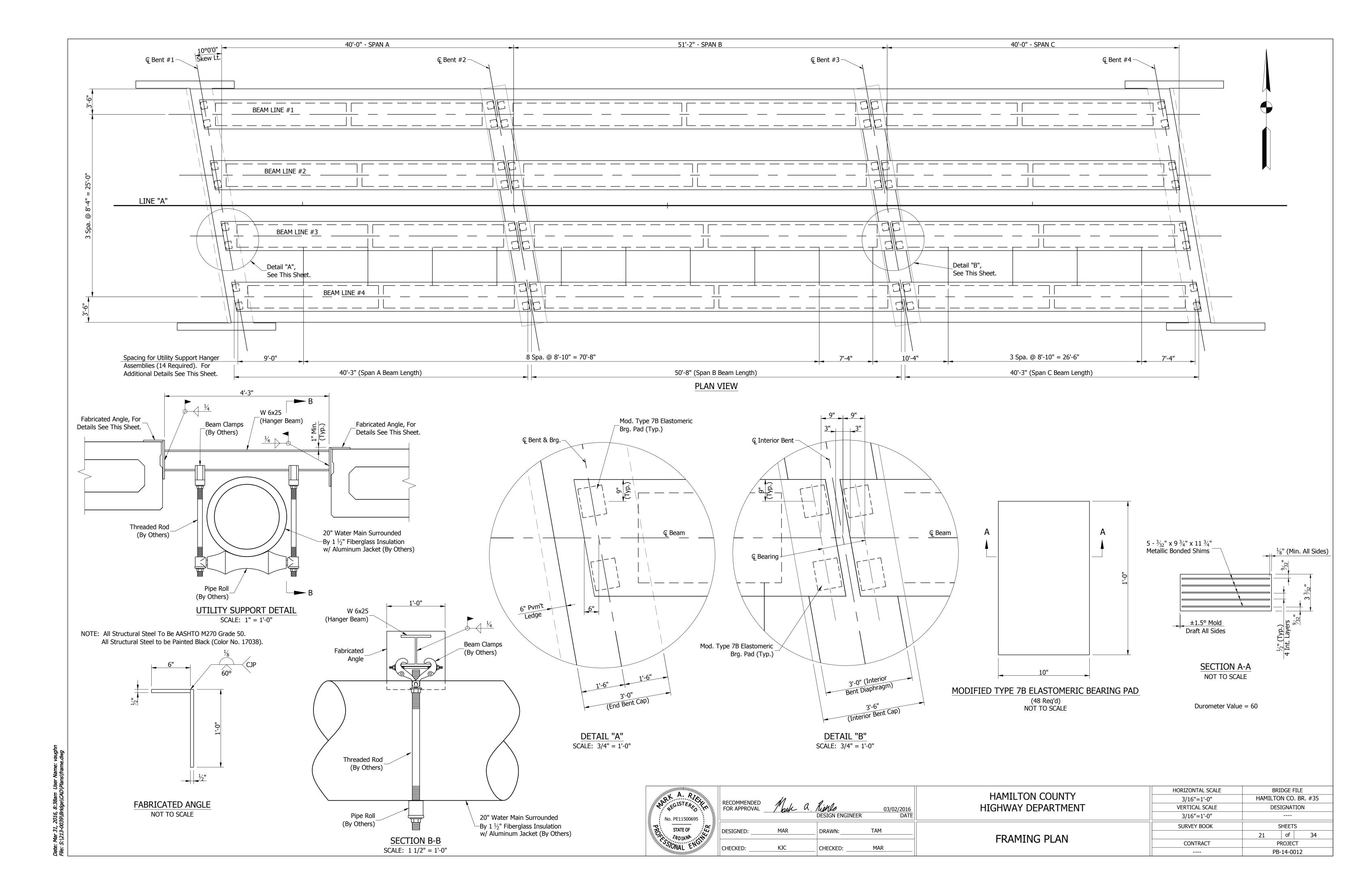


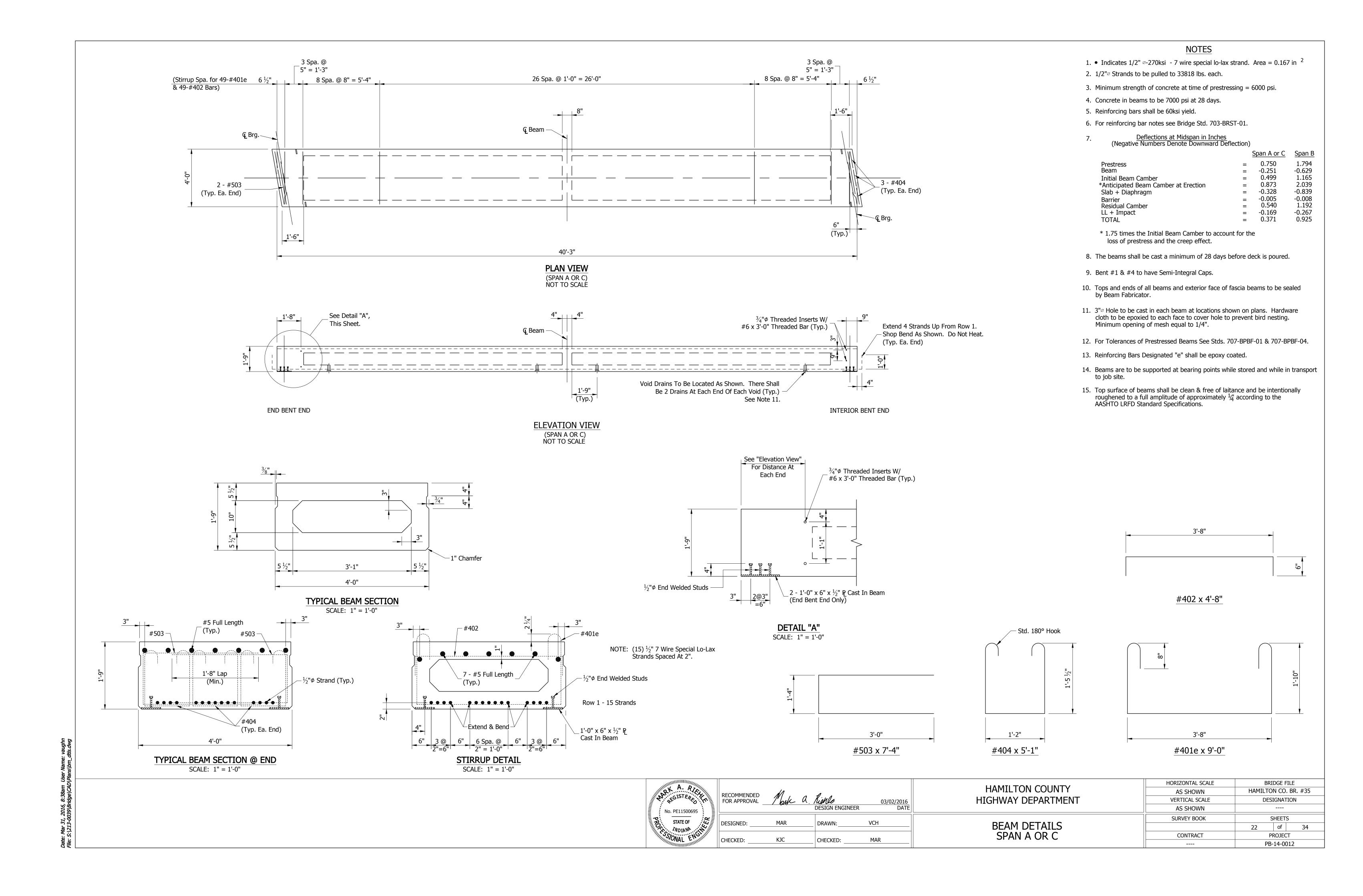


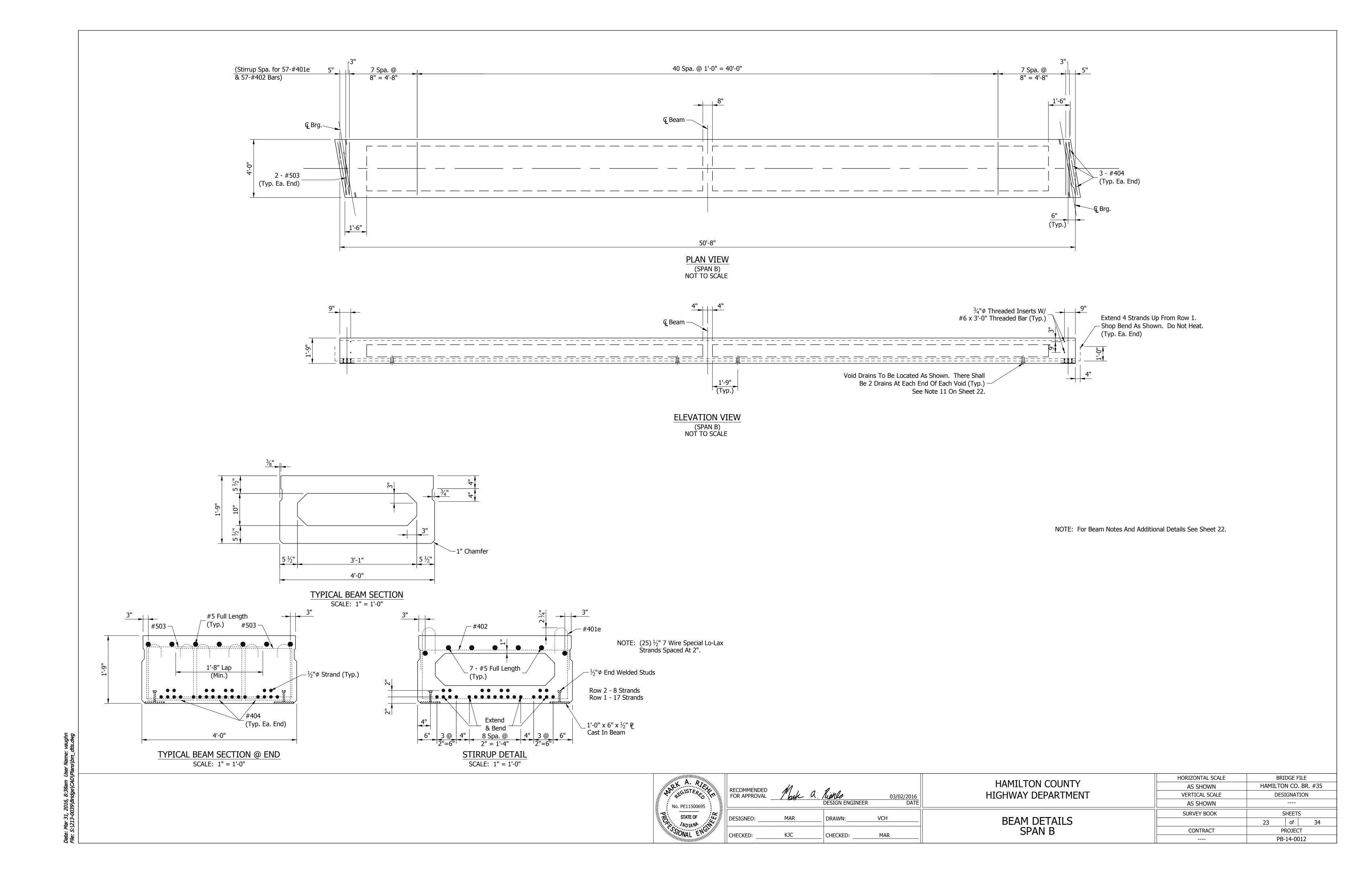


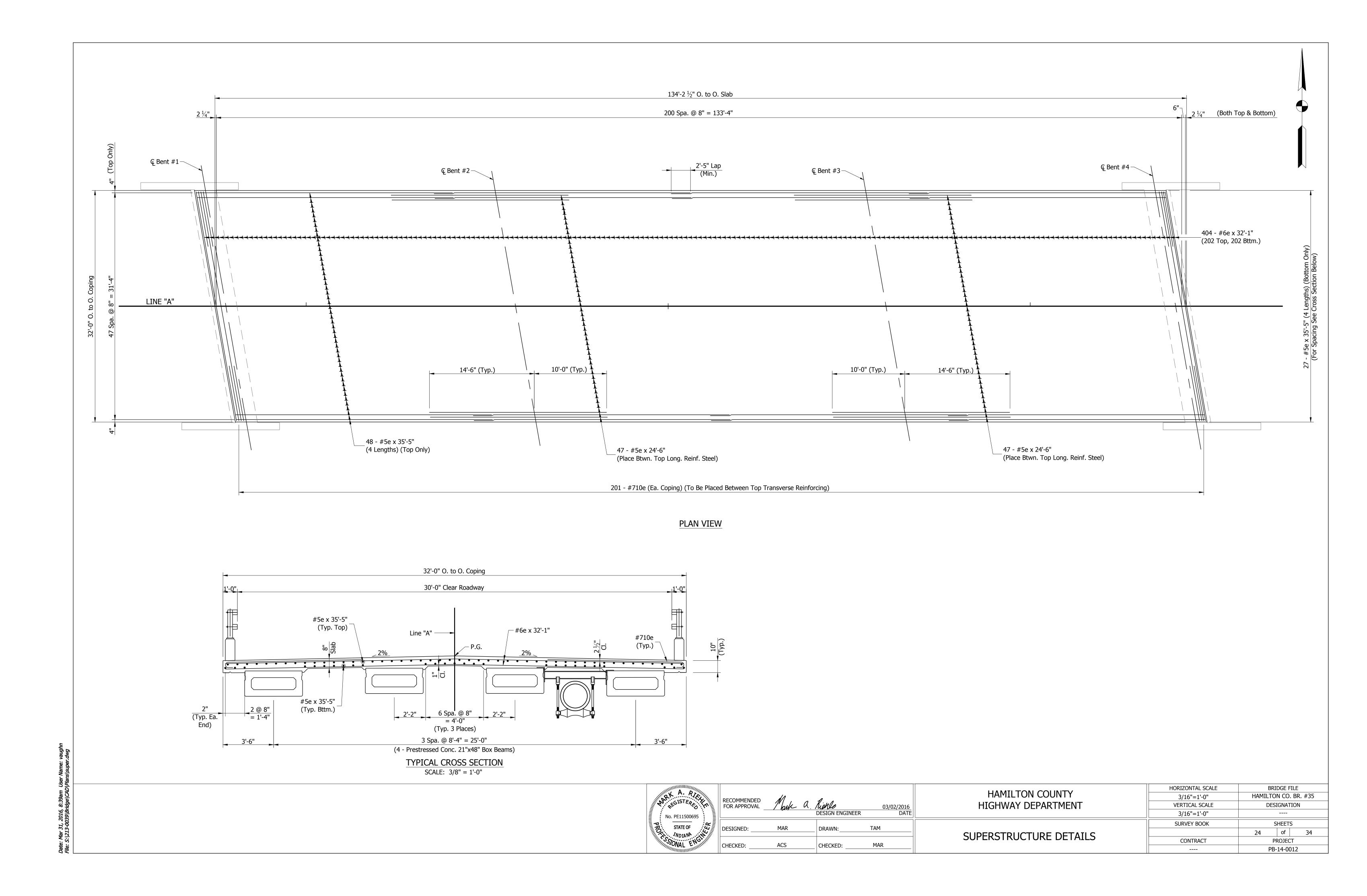
RECOMMENDED FOR APPROVAL	Mark	a. <i>Righle</i> DESIGN E	NGINEER	03/0	02/2016 DATE
DESIGNED:	ACS	DRAWN:		VCH	
CHECKED:	MAR	CHECKE	D:	ACS	

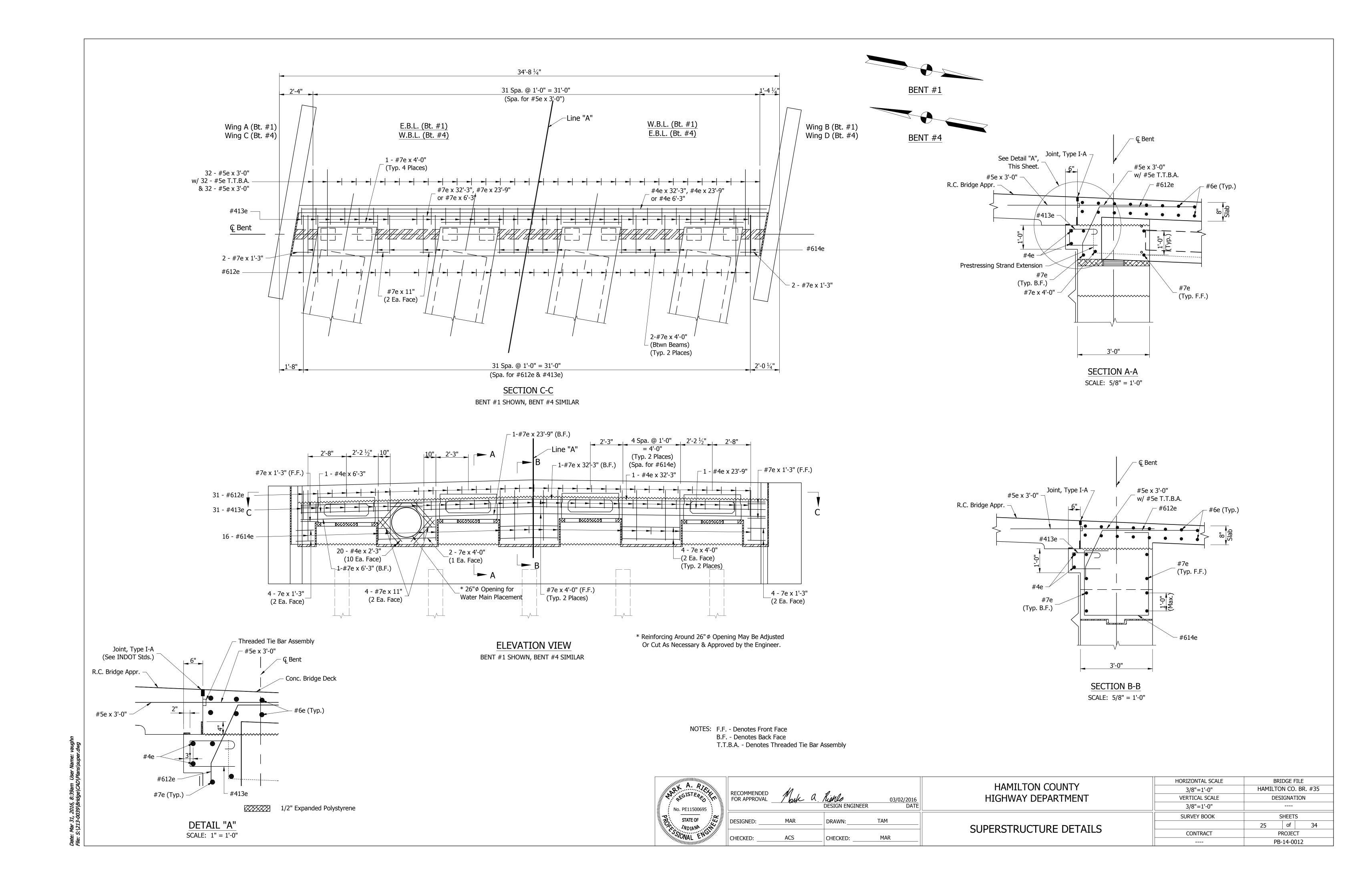
LIANATI TONI COLINITY	HORIZONTAL SCALE	BR	IDGE F	[LE		
HAMILTON COUNTY	NOT TO SCALE	HAMILTON CO. BR. #35				
HIGHWAY DEPARTMENT	VERTICAL SCALE	DESIGNATION				
	NOT TO SCALE					
	SURVEY BOOK	SHEETS				
INTERIOR BENT #2 & #3 DETAILS		20	of	34		
INTERIOR DENT #2 & #3 DETAILS	CONTRACT	Τ				
		PE	3-14-00	12		

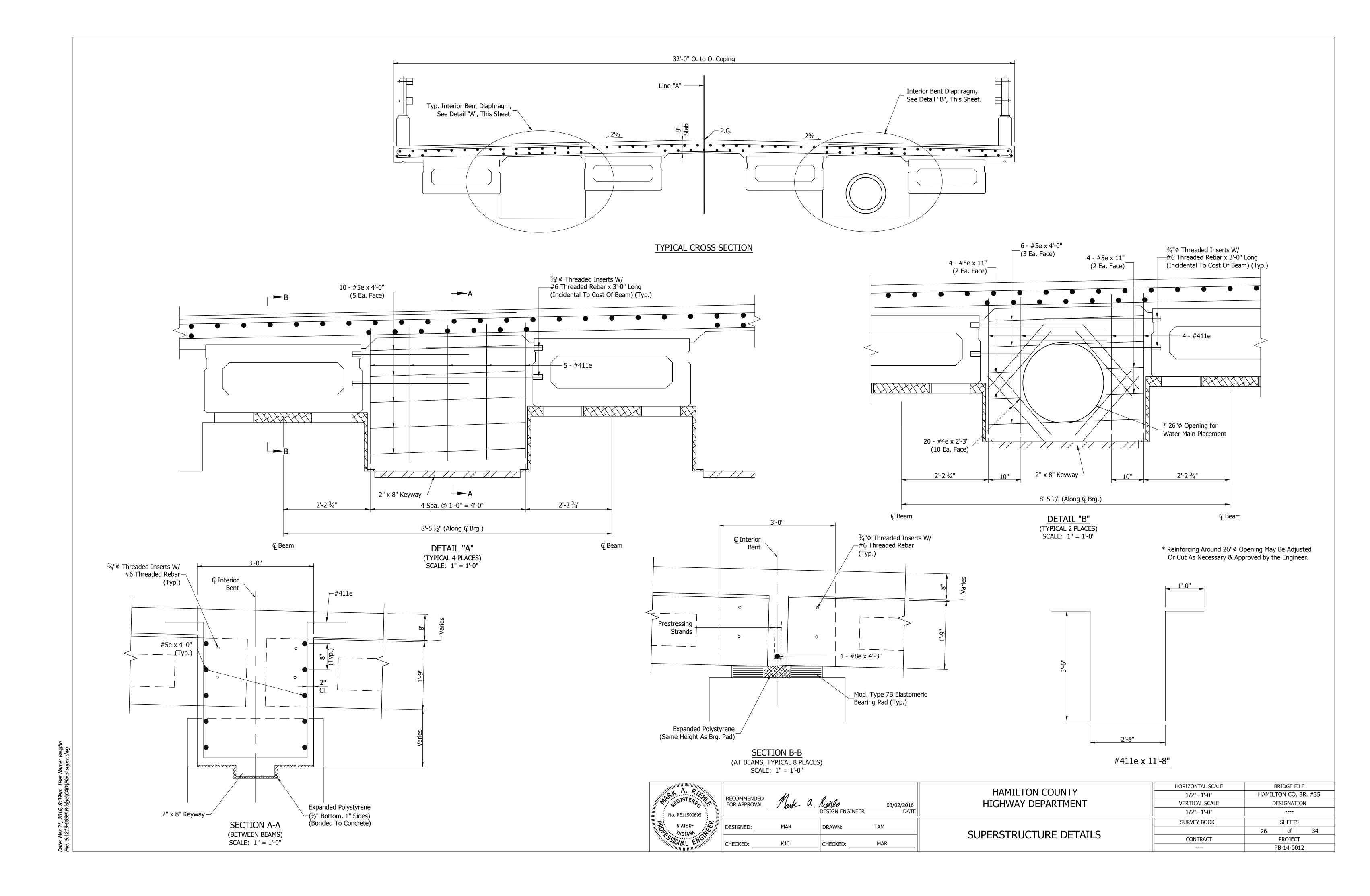


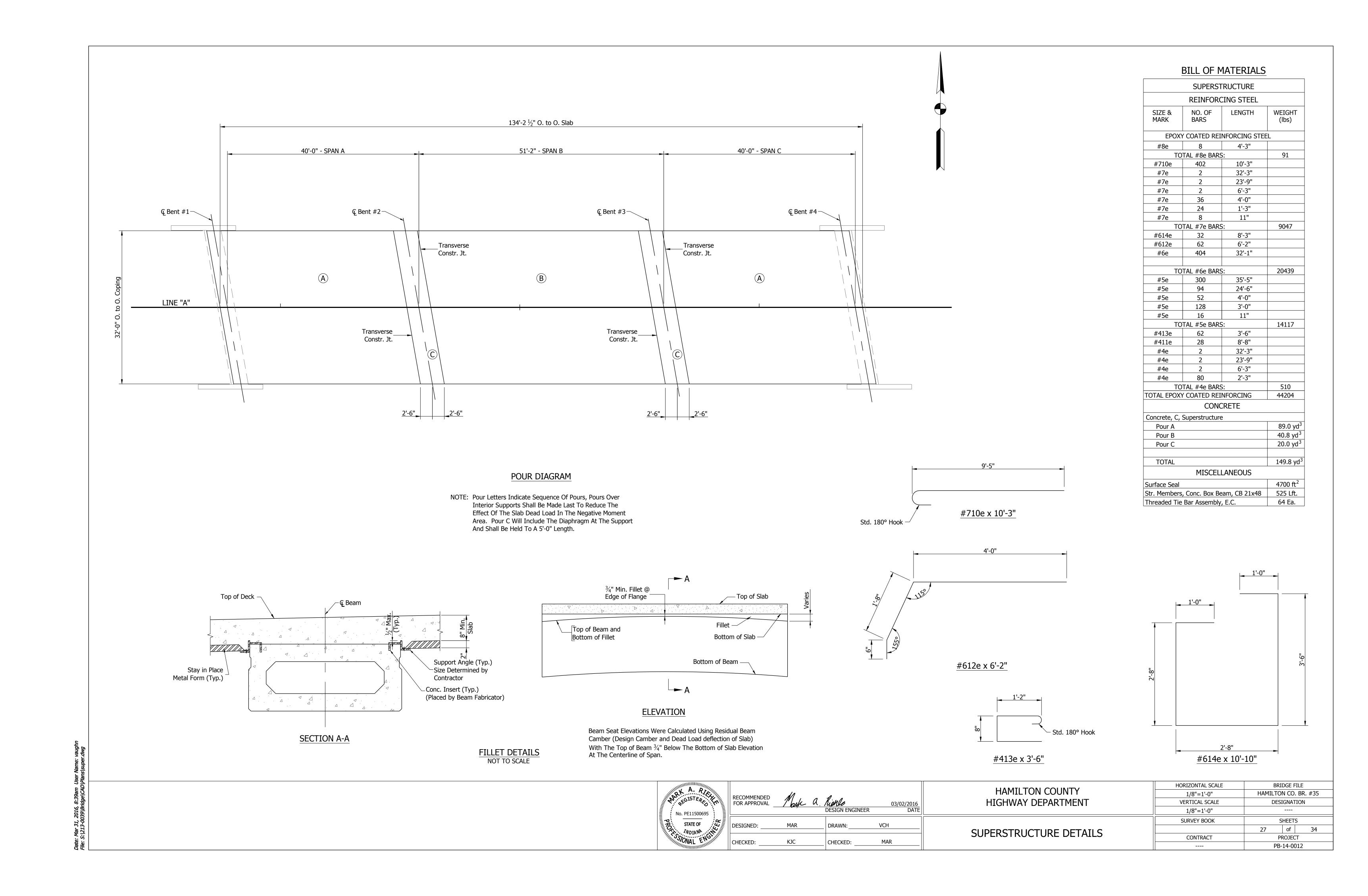


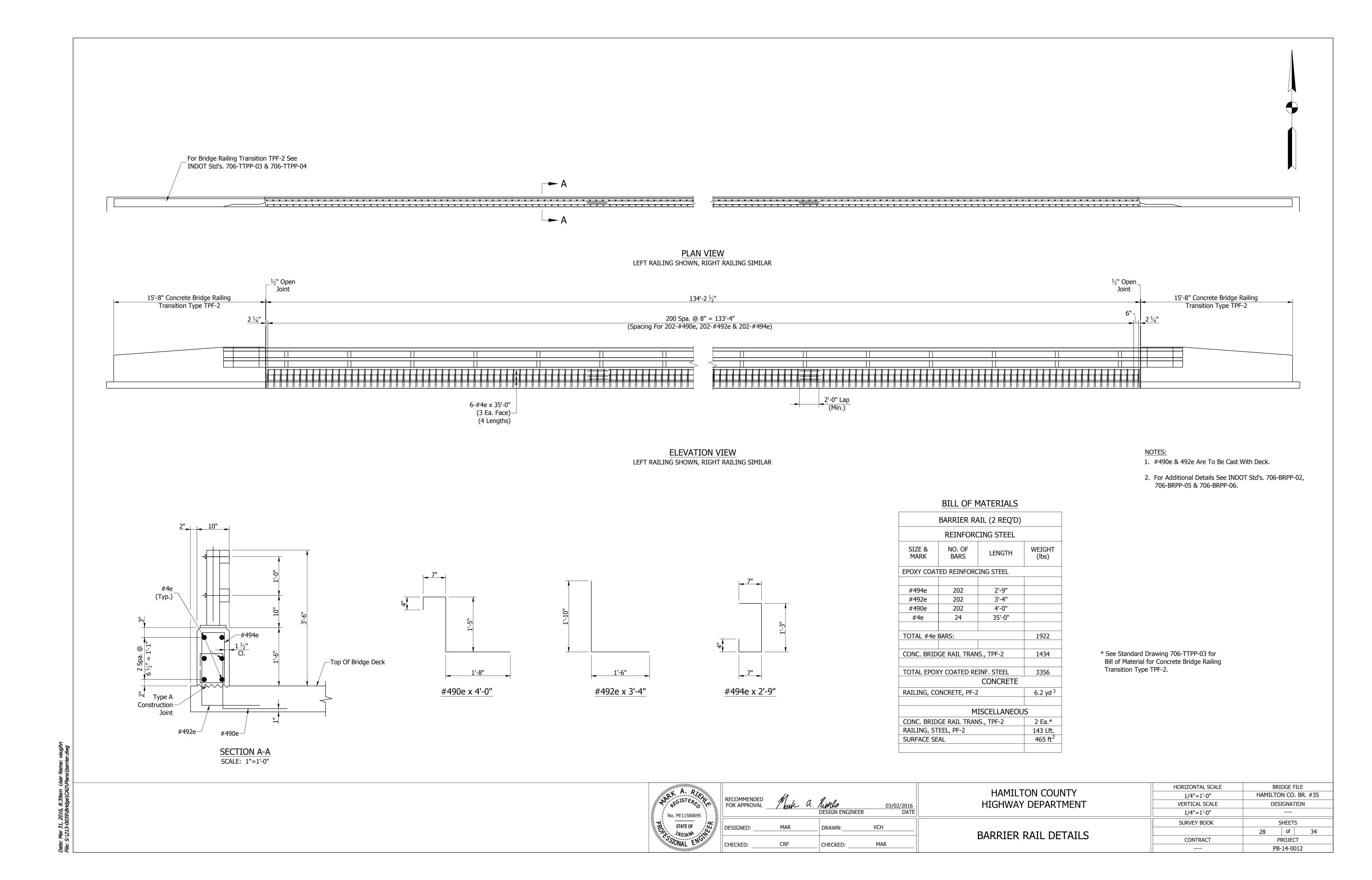




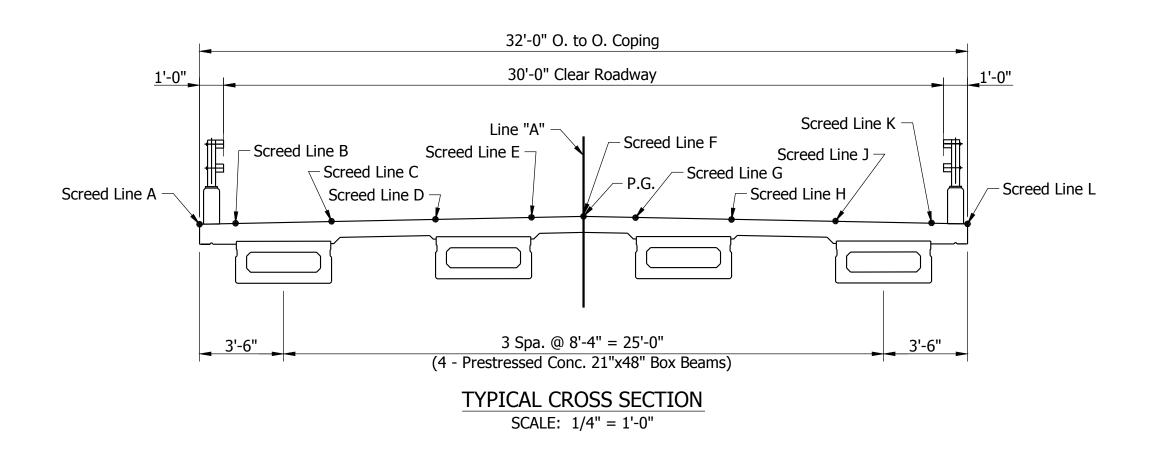


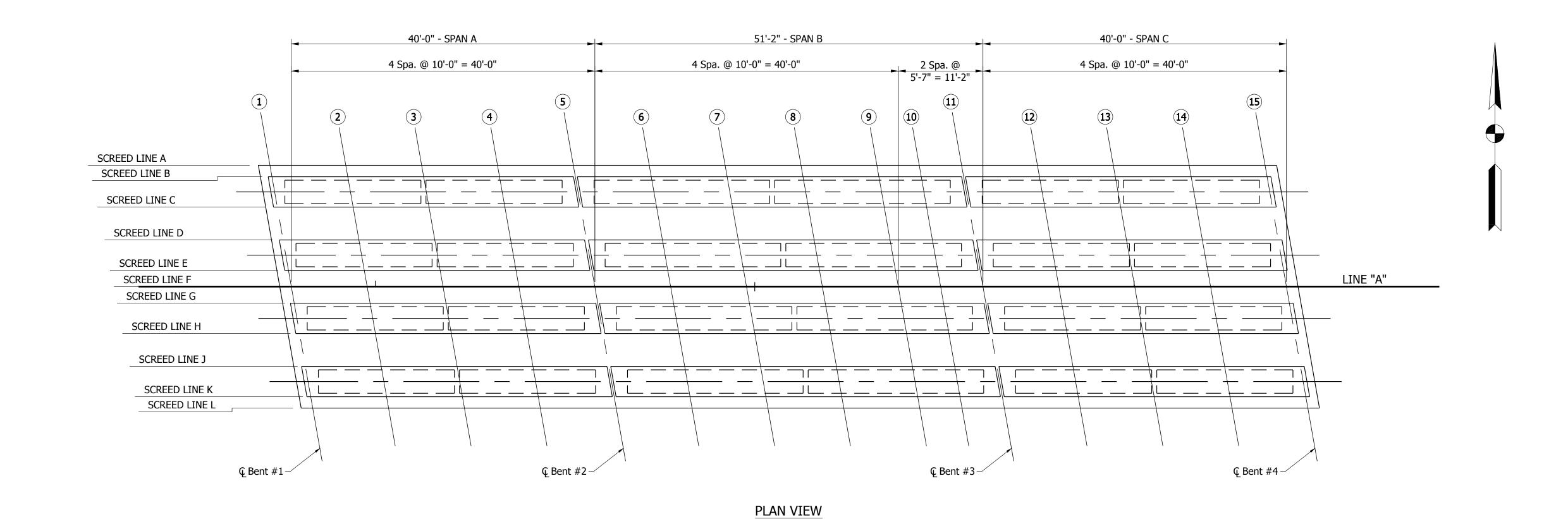






			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		ELEVATION - TOP OF SCREED	821.38	820.96	820.54	820.13	819.72	819.36	819.01	818.64	818.27	818.06	817.86	817.55	817.24	816.92	816.61
Α	Lt. Coping	ELEVATION - TOP OF GIRDER															
		DISTANCE - TOP OF GIRDER TO TOP OF SCREED															
40.000	Doom 1	ELEVATION - TOP OF SCREED	821.39	820.98	820.56	820.15	819.74	819.38	819.03	818.66	818.29	818.08	817.88	817.57	817.26	816.94	816.64
В	Beam 1 Lt. Edge	ELEVATION - TOP OF GIRDER															
	Lt. Euge	DISTANCE - TOP OF GIRDER TO TOP OF SCREED															
	Doom 1	ELEVATION - TOP OF SCREED	821.44	821.03	820.61	820.20	819.79	819.44	819.08	818.72	818.35	818.14	817.94	817.62	817.32	817.00	816.70
С	Beam 1 Rt. Edge	ELEVATION - TOP OF GIRDER															
	Rt. Edge	DISTANCE - TOP OF GIRDER TO TOP OF SCREED															
	Beam 2	ELEVATION - TOP OF SCREED	821.50	821.08	820.67	820.26	819.84	819.49	819.14	818.78	818.41	818.20	818.00	817.69	817.38	817.07	816.76
D	100 100 100 100 100 100 100 100 100 100	ELEVATION - TOP OF GIRDER															
	Lt. Edge	DISTANCE - TOP OF GIRDER TO TOP OF SCREED															
180.77	Beam 2	ELEVATION - TOP OF SCREED	821.55	821.13	820.72	820.31	819.90	819.55	819.19	818.83	818.46	818.26	818.05	817.74	817.44	817.13	816.82
E	Rt. Edge	ELEVATION - TOP OF GIRDER															
	Rt. Euge	DISTANCE - TOP OF GIRDER TO TOP OF SCREED															
	Line "A"	ELEVATION - TOP OF SCREED	821.57	821.16	820.75	820.33	819.93	819.58	819.22	818.86	818.49	818.29	818.08	817.78	817.47	817.16	816.85
F	P.G.	ELEVATION - TOP OF GIRDER															
	1 .0.	DISTANCE - TOP OF GIRDER TO TOP OF SCREED															
	Beam 3	ELEVATION - TOP OF SCREED	821.51	821.10	820.69	820.28	819.87	819.52	819.17	818.81	818.44	818.23	818.03	817.72	817.41	817.10	816.80
G	Lt. Edge	ELEVATION - TOP OF GIRDER															
	Lt. Luge	DISTANCE - TOP OF GIRDER TO TOP OF SCREED	,											,			
	Beam 3	ELEVATION - TOP OF SCREED	821.40	820.99	820.58	820.17	819.76	819.41	819.06	818.70	818.33	818.13	817.92	817.62	817.31	817.00	816.70
Н	Rt. Edge	ELEVATION - TOP OF GIRDER															
	IXI. Luge	DISTANCE - TOP OF GIRDER TO TOP OF SCREED															
	Beam 4	ELEVATION - TOP OF SCREED	821.28	820.87	820.46	820.05	819.64	819.30	818.95	818.59	818.22	818.01	817.81	817.51	817.20	816.89	816.59
J	Lt. Edge	ELEVATION - TOP OF GIRDER															
	Lt. Luge	DISTANCE - TOP OF GIRDER TO TOP OF SCREED															
	Beam 4	ELEVATION - TOP OF SCREED	821.17	820.76	820.35	819.94	819.54	819.19	818.84	818.48	818.12	817.91	817.71	817.40	817.10	816.79	816.49
K	Rt. Edge	ELEVATION - TOP OF GIRDER															
500.00	IXI. Luge	DISTANCE - TOP OF GIRDER TO TOP OF SCREED															
		ELEVATION - TOP OF SCREED	821.13	820.72	820.31	819.90	819.50	819.15	818.80	818.44	818.08	817.87	817.67	817.37	817.06	816.76	816.45
L	Rt. Coping	ELEVATION - TOP OF GIRDER															
		DISTANCE - TOP OF GIRDER TO TOP OF SCREED															



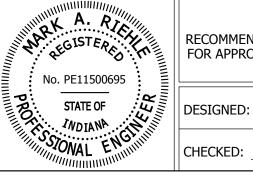


<u>PURPOSE</u>

Plan of Screeds Shows Locations of Screeds. "Table of Elevations" Shows Data for Setting Screeds at the Edges of Beams, and Elevations after all the Concrete has been Poured.

SCREED NOTES

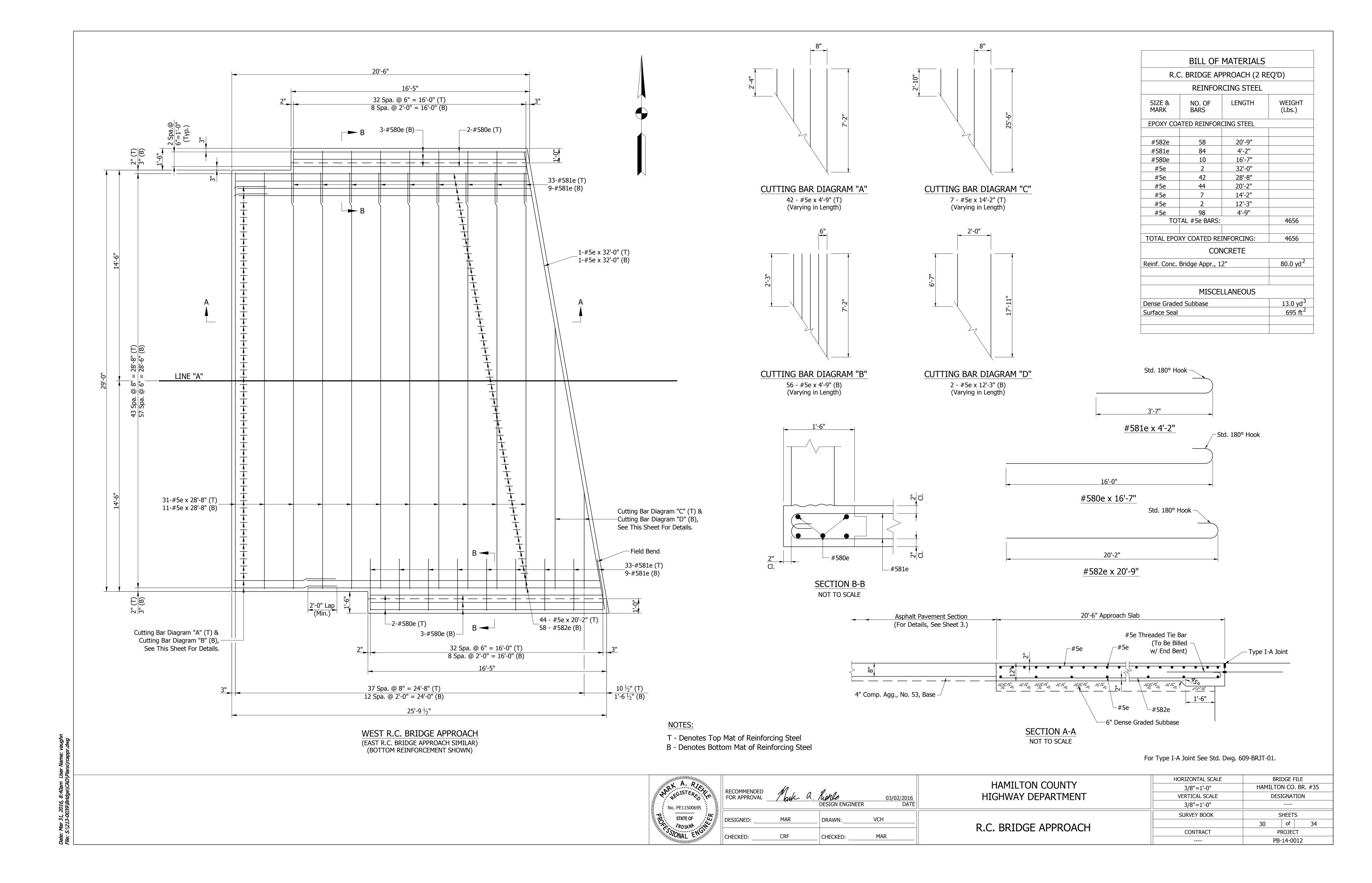
- 1. After the Beams are Set, take Elevations at all the Screed Points on Top of Beams at the Screed Points. Subtract these Elevations from Tabulated Elevations and Use the Resulting Dimensions as the Height for Setting the Screed Above that Point. This Dimension Remains Constant Regardless of how much or in what Order the Concrete is Poured. Do Not Set Screed By Leveling.
- No Concrete in the Floor Slab is to be Poured Until the Above Operations are complete.



RECOMMENDED FOR APPROVAL	Mark a.	Righle DESIGN ENGINEER	03/02/2016 DATE	
DESIGNED:	MAR	DRAWN:	VCH	
CHECKED:	CRF	CHECKED:	MAR	

LIANATI TONI COLINITY	HORIZONTAL SCALE	BR	IDGE F	[LE			
HAMILTON COUNTY	1/8"=1'-0"	HAMILTON CO. BR. #35					
HIGHWAY DEPARTMENT	VERTICAL SCALE	DE	DESIGNATION				
	1/8"=1'-0"						
	SURVEY BOOK		S				
SCREED SHEET		29	of	34			
SCREED SHEET	CONTRACT	PROJECT					
		PB-14-0012					

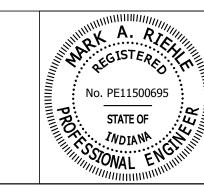
Date: Mar 31, 2016, 8:39am User Name: vaughn File: S:1213-0039|Rridge|CAD|Plane|ergode dum



												SUM	1MARY	OF B	RIDGE	QUA	ITITA	ES											
	CLA	SS C	CONCRETE CLASS A	CLAS	SS B	RAILING,	DETNE	REINF.	RAILING,	CONCRETE BRIDGE RAIL	THREADED TIF BAR	REINF. CONC. BRIDGE				PIPE,		AGGREGATE		DVNAMIC	PII	LES TEST DILE		STEEL H PILES,	STRUCTURAL	CONCRETE		SURFACE	
ITEM			SUBSTR	ABOVE FTG.	IN FTG.	CONCRETE, PF-2	REINF. BARS	REINF. BARS, EPOXY COATED	RAILING, STEEL, PF-2	TRANSITION, TPF-2	ASSEMBLY, E.C.	APPROACH (12 IN.)	DENSE GRADED SUBBASE	REVETMENT RIPRAP	RIPRAP	END BENT DRAIN, 6 IN.	GEOTEXTILE	FOR END BENT BACKFILL	STEEL H (HP 12x74)	PILE LOAD TEST	TEST PILE, INDICATOR, PRODUCTION LFT	INDICATOR RESTRIKE	PILE SHOE (HP 12x74)	REINF. CONC. ENCASED HP 12x74	STRUCTURAL STEEL**	CONCRETE BOX BEAM CB 21"x48"	I BEAM TYPE & SIZE	SURFACE SEAL**	SODDING
	CYS	CYS	CYS	CYS	CYS	CYS	LBS	LBS	LFT	EACH	EACH	SYS	CYS	TON	TON	LFT	SYS	CYS	LFT	EACH	LFT	EACH	EACH	LFT	LBS	LFT	LFT	SFT	SYS
BENT #1			18.7					2334						64		46	142	19											9
BENT #2 BENT #3			15.9				1583 1583												205 255				5	60 60					
BENT #4			15.9 18.3				1303	2328						60		46	133	18	255				3	00					10
SUPERSTRUCTURE	149.8							44204			64														1681	525		4700	
BARRIER RAIL						12.4		6712	286	4																		930	
DARRIERIVALE						12.7		0/12	200	T																		930	
R.C. BRIDGE APPROACH								9312				160	26															1390	
TOTALS	149.8		68.8			12.4	3166	64890	286	4	64	160	26	124		92	275	37	460				10	120	1681	525		7020	19
TOTALS	175.0		1 00.0			12.7	1 3100	1 05050		_ т	<u> </u>	100		127		<u> </u>			1 700				10	120	1001	1 323		timested Overstit	13

** Estimated	Quantity
--------------	----------

RTHWO	RK SUI	MMARY	(Cu. Ya	rds)		
TOTAL PRO	OJECT T	O BE ONE	BALANCE			
Common Exc	cavation:			170	Cu. Yards	
Waste:				95	Cu. Yards	
The Abov	e Quantities	Include the Fo	ollowing:			
Cut	Fill Available	Benching	B-Borrow	Fill	Fill + 25%	Benching + 25%
90	90	100		40	50	125
80						
150	0.0	100			70	105
170	90	100	-	40	50	125
_		Fill Av	ailable			
170		Cut		170		
		Benching		100		
				270		
		Borrow	/Was te			
50		Fill Reg'd		175		
125		-	2	270		
175				(95)		
					170	CYD
					114	CYD
					95	CYD
	TOTAL PRO Common Exc Was te: The Above Cut 90 80 170 170 50 125	TOTAL PROJECT TO Common Excavation: Waste: The Above Quantities Cut Fill Available 90 90 80 170 90 170 50 125	TOTAL PROJECT TO BE ONE Common Excavation: Was te: The Above Quantities Include the Fell Available Benching 90 90 100 80 90 100 170 90 100 Fill Available Cut Benching Borrow 50 Fill Req'd Fill Available	Cut	Waste: 95 The Above Quantities Include the Following: Cut Fill Available Benching B-Borrow Fill 90 90 100 40 80 100 - 40 170 90 100 - 40 Enching 170 170 170 170 170 100 270 Borrow/Waste 50 Fill Req'd 175 125 Fill Available 270	TOTAL PROJECT TO BE ONE BALANCE Common Excavation: Waste: 95 Cu. Yards 95 Cu. Yards



>	Righle 03/02/2016 DESIGN ENGINEER DATE	
DESIGNED: TAM	DRAWN:TAM	
CHECKED: ACS	CHECKED: ACS	

TAIDTANIA	HORIZONTAL SCALE	BRIDGE FILE				
INDIANA	NONE	HAMILTO	3R. #35			
DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION				
	NONE					
	SURVEY BOOK	9	HEETS			
BRIDGE SUMMARY OF QUANTITIES		31	of	34		
DRIDGE SUMMART OF QUANTITIES	CONTRACT	PROJECT				
		PB-14-0012				

	SUMMARY OF QUANTITIES AND APPROACH TABLE																														
LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGT	E DISTANCE BEYOND R/W LINE	RADII	GRADE (LESS THAN 10% NOT SHOWN)	EXCAV	'ATION	D-1 JOINTS 1" DIA 15' O.C.	QC/QA PCCP 7"	QC/QA PCCP 6" OVERLAY	DENSE GRADED SUBBASE	SURFACE	QA HMA, 2 INTER 19.0mm #/SYS	2, 64 INTER 19.0mm	SURFACE	PENING W MA TYPE INTER #/SYS	В	ASPHALT FOR TACK COAT	WEDGE & LEVEL TYPE B	COMPA AGGRE NO. 53,	GATE	COMPA AGGRE NO.	GATE	SUBGRADE TREATMENT, TYPE IC	OINT ADHESIVE SURFACE	JOINT ADHESIVE INTERMEDIATE	SEALANT SEALANT AGG. 53	JRFACE D R/W LINE MILLIN ASPHA		REMARKS
		"W"	"L"		"R"	1	CY	ſS.				6"	165	220	275	165	275	440			4"	6"	12"	16"				LIQ SOMP.		2"	
		FEET	FEET	FEET	FEET	%	CUT	FILL	LFT	SYS	SYS	CYS	TONS	TONS	TONS	TONS	TONS	TONS	SYS	TONS	TONS	TONS	TONS	TONS	SYS.	TONS	TONS	TONS	SYS.	SYS.	
MAINLINE																															
Line "A" 115+93.75 to 117+14.25	Major Collector	Varies	120.50													6.9	11.4	18.3	336.0	32.7	18.4		22.5	18.2	126.7	190.1	190.1	259.6	170.5		
118+94.75 to 120+15.28	Major Collector	Varies	120.53													6.9	11.5	18.4	380.0	53.0	18.5		22.5	22.7	138.8	208.1	208.1	295.7	213.2		
223 13 111 2 13 220 1 23.20		1 3.1.33	===::55																300.0												
TOTAL																13.8	22.9	36.7	716.0	85.7	36.9		45.0	40.9	265.5	398.2	398.2	555.3	383.7		
PAY TOTAL																	74		716	86	37		80	6	266	399	399	556	384		

CURB TABLE										
FROM STATION	TO STATION		MEDIAN	RIGHT	CURB, CONCRETE B, MODIFIED	CURB & GUTTER, REMOVE				
					LFT	LFT				
LINE "A"										
116+44.68	117+14.25	Х			70					
118+94.75	119+82.31			Х	88					
119+07.64	119+82.31			Х		75				
TO	TOTAL									

GUARDRAIL SUMMARY TABLE										
FROM STATION	TO STATION	LEFT	RIGHT	W-BEAM GUARDRAIL 6'-3" POST SPACING	GUARDRAIL END TREATMENT, OS	GUARDRAIL TRANSITION, TGB				
EXCLUDES END	TREATMENTS			LFT.	EACH	EACH				
LINE "A"										
116+43.75	117+25.00		Х	56.25	1	1				
116+94.70	117+19.70	Х		0.00	1	1				
118+84.03	119+65.28	Х		56.25	1	1				
118+89.32	119+14.32		Х	0.00	1	1				
TOTAL				112.50	4	4				

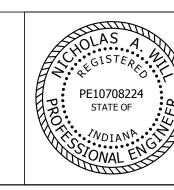
GUARDRAIL REMOVAL										
FROM STATION	TO STATION		RIGHT	LENGTH	REMARKS					
SIATION	STATION	LEFI	R	LFT.						
LINE "A"										
117+07.18	117+36.29	Х		29						
117+08.09	117+41.38		Х	33						
118+67.45	119+03.22	Х		36						
118+72.53	119+13.74		Х	41						
TOTAL	1		1	139						

LOCATION		OFF	SET	
LOCATION	LINE	LEFT	RIGHT	NO.
116+59.00	"A"	30'		1
117+10.00	"A"	30'		1
117+25.00	"A"	40'		1
117+55.00	"A"	30'		1
118+17.00	"A"	30'		1
118+17.00	"A"	40'		1
119+00.00	"A"	40'		1
TOTAL				7

SEEDING TABLE								
FEO CVC								
560 SYS								
560 SYS								
2 Each								

BENCH MARK TABLE*								
STATION	LOCATION	BENCH MARK						
		1 EACH						
TOTAL		1 EACH						

^{*} See Special Provision SP 19, Benchmark for Additional Information.



recommended For approval _	Nilder a	L. WIJ DESIGN ENGINEER	03/02/2016 DATE	
DESIGNED:	NAW	DRAWN:	TAM	
CHECKED:	CRF	CHECKED:	MAR	

LIANATI TONI COLINITY	HORIZONTAL SCALE	BRI	DGE FIL	E
HAMILTON COUNTY	NONE	HAMILTON CO. BR. #35		
HIGHWAY DEPARTMENT	VERTICAL SCALE	DESIGNATION		
	NONE			
	SURVEY BOOK	9	SHEETS	
MISCELLANEOUS TABLES		32	of	34
MISCELLANEOUS TABLES	CONTRACT	P	ROJECT	
		PB-14-0012		

